



VIA ELECTRONIC MAIL

January 30, 2020

Mr. Alexander Wardle
Virginia Department of Environmental Quality
Northern Regional Office
13901 Crown Court
Woodbridge, Virginia, 22193

SUBJECT: FOURTH QUARTER 2019 CAP MONITORING REPORT
Inactive Fairfax Facility # 26140
9901 Georgetown Pike
Great Falls, Fairfax County, Virginia
PC# 2010-3028

Dear Mr. Wardle:

Kleinfelder, on behalf of Fairfax Petroleum Realty, LLC (Fairfax), is submitting this Corrective Action Plan (CAP) Monitoring Report for the above-referenced facility (Site).

Fairfax Petroleum and Kleinfelder appreciate the continued guidance of the DEQ in the successful completion of this project. Please feel free to contact us at 410.850.0404 should you have questions.

Sincerely,

KLEINFELDER

A handwritten signature in blue ink, appearing to read "Evan McMullen".

Evan McMullen
Geologist

A handwritten signature in blue ink, appearing to read "Mark C. Steele".

Mark C. Steele
Senior Program Manager

Attachment

cc: Mr. Monty Berhane – Fairfax Petroleum Realty, LLC
Ms. Sarah Nutt – Fairfax Petroleum Realty, LLC
Mr. Nathan Stevens – Kleinfelder



CAP MONITORING REPORT – FOURTH QUARTER 2019
INACTIVE FAIRFAX FACILITY # 26140
9901 GEORGETOWN PIKE
GREAT FALLS, FAIRFAX COUNTY, VIRGINIA

REGULATORY INFORMATION

Regulatory Agency:	Virginia Department of Environmental Quality (DEQ)
Agency Contact:	Mr. Alexander Wardle
Pollution Complaint No.:	2010-3028
Current Case Status:	Post Remediation Groundwater Monitoring per DEQ Email dated August 8, 2018
Reporting Period:	October 1 through December 31, 2019
Last Report:	CAP Monitoring Report (CMR), October 30, 2019

GENERAL SITE INFORMATION

Fairfax Petroleum Realty Contact:	Mr. Monty Berhane
Consultant Contact:	Mr. Mark C. Steele
Facility Status:	The property has been redeveloped into a retail bank branch. The former station structures were removed in March 2016. The underground storage tank (UST) system was removed in August 2012.
Area Property Use:	See Local Area Map (Figure 1)
Site Well Network:	MW-1 through MW-3, MW-5, MW-6S, MW-6D, MW-7, MW-9 through MW-12D, MW-15 through MW-18D, MW-20D, MW-21I, MW-21S, MW-22, MW-23D, MW-24, MW-25D, MW-26D, W-1 through W-7, PW-1, and RW-1 (Figure 2 and Table 1)
Site Geology:	Schist saprolite grading to competent schist bedrock
Groundwater Flow Directions:	Southeast

ACTIVITIES COMPLETED THIS PERIOD

Monitoring, Bedrock, and CMT Well Gauging and Sampling

November 21, 2019

Groundwater gauging and sampling was conducted on the Site monitoring well network, including open bedrock wells and the CMT well (MW-17D) during the Fourth Quarter 2019 by Kleinfelder. Groundwater gauging of select monitoring wells located on the Great Falls Shopping Center property and at 9892 Georgetown Pike were conducted during the Fourth Quarter 2019 sampling event by the consultant for Motiva Enterprises, LLC (Motiva) for PC # 2003-3230. Gauging data was used to generate potentiometric surface maps is included on **Table 2** and depicted on **Figures 3 and 4**. With the exception of the CMT well, the sampled monitoring wells were purged using the low-flow parameter stabilization sampling methodology with a submersible electric pump and YSI multi-parameter water quality meter. Groundwater samples were submitted under chain of custody protocol to Lancaster Laboratories for analysis of benzene, toluene, ethylbenzene, total xylenes (BTEX), methyl tertiary butyl ether (MTBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), ethyl tertiary butyl ether (ETBE), and di-isopropyl ether (DIPE) using EPA Method 8260B.

Summaries of groundwater analytical results are presented in **Table 3** and are included on **Figures 3 and 4**. The Lancaster Laboratories Analysis Report for the groundwater sampling event are included as **Appendix A**. A summary of the gauging and sampling is provided below.

Wells Gauged and Sampled:	MW-1R, MW-2, MW-7, MW-15, MW-16D(95), MW-17D, MW-23D, MW-24, MW-25D(90), PW-1(65), and RW-1
Wells Gauged Only:	MW-3, MW-5R, MW-6S, MW-6D(85), MW-9, MW-10, MW-11, MW-12D(110), MW-18D, MW-26D(78), and SVE-2
Minimum/Maximum Depth to Water:	2.45 feet (MW-26D) / 39.60 feet (MW-18D)
Shallow Groundwater Flow Direction:	Southeast
Shallow Hydraulic Gradient:	0.021 ft/ft between MW-5R and MW-15
Deep Groundwater Flow Direction:	Southeast
Deep Hydraulic Gradient:	0.006 ft/ft between MW-6D and MW-23D

Groundwater gauging and sampling was conducted November 21, 2019. Groundwater samples were collected from on and off-site monitoring wells in accordance with the monitoring schedule presented in the October 2, 2014 CAP Addendum (CAPA) as modified by the DEQ and communicated in the March 2, 2015 CAPA Approval letter. Select off-site monitoring wells located on the Great Falls Shopping Center property and at 9289 Georgetown Pike were sampled by Motiva on November 25, 2019 for PC# 2003-3230 associated with the former Shell station. Per the DEQ letter dated September 19, 2018 for PC# 2003-3230, Motiva was requested to complete four additional semi-annual sampling events of monitoring wells W-1, W-2, W-7, MW-20 series, MW-21 series, MW-22, and MW-27 series. Groundwater monitoring and analytical data for the shallow and deep monitoring wells is summarized in **Table 3**. The groundwater monitoring and analytical data for wells associated with PC # 2003-3230 is included within **Appendix B**.

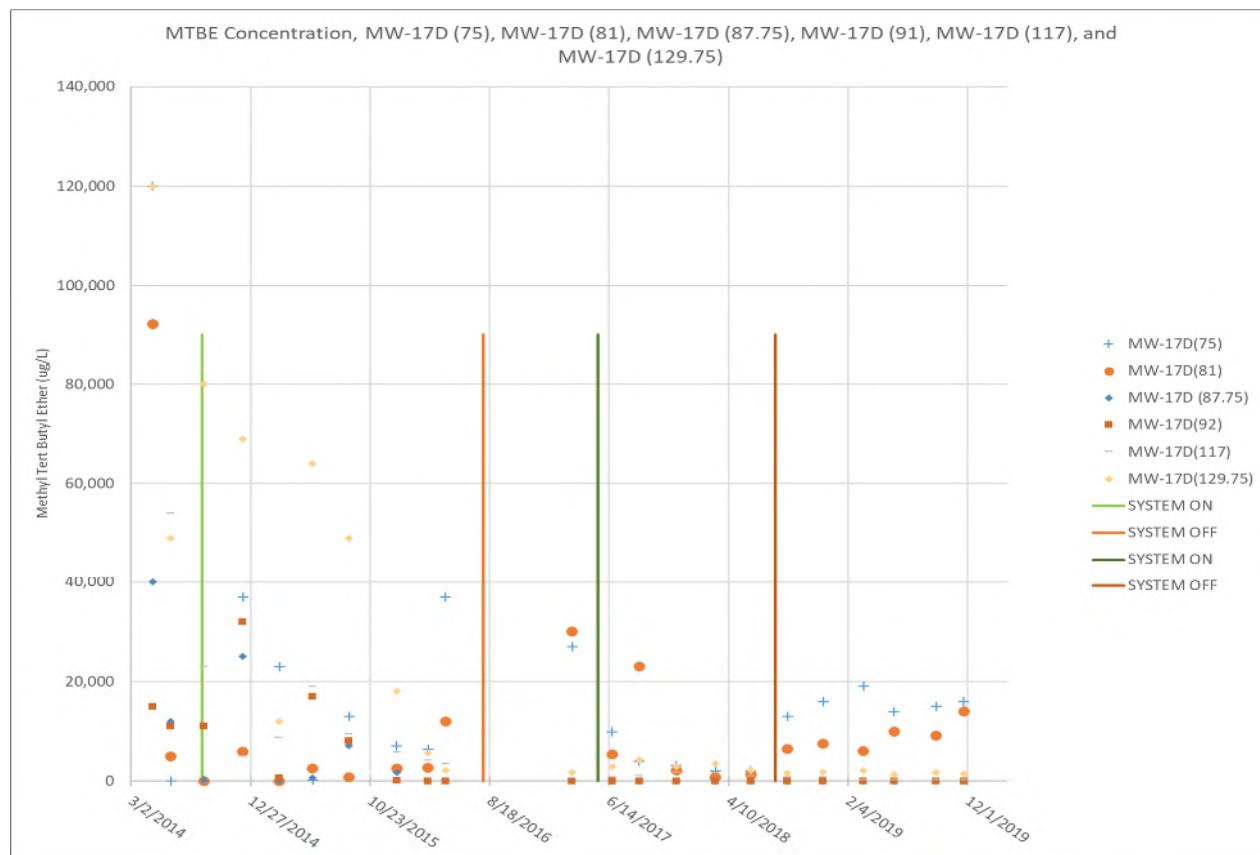
FOURTH QUARTER 2019 REMEDIAL ACTIVITIES

The groundwater recovery system operated until August 10, 2018 when it was taken off-line with DEQ approval. In an email from the DEQ dated August 8, 2018, the DEQ indicated that shut down appears warranted and post closure monitoring will continue for two years to continue to verify that CAP objectives continue to be met. The remediation system was removed from the Site in February 2019.

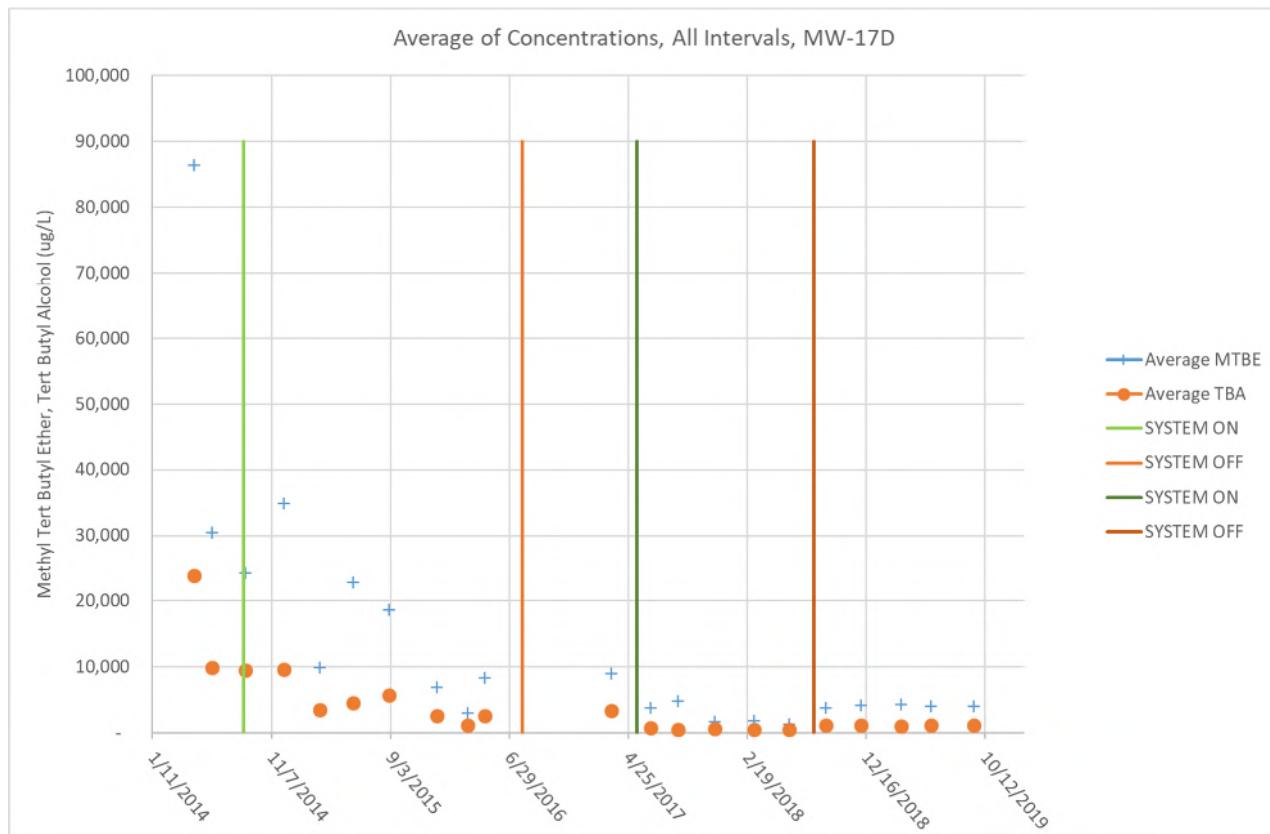
DATA ANALYSIS

During the Fourth Quarter 2019, the MTBE concentration in the overburden monitoring wells ranged from below laboratory detection limits to 8 micrograms per liter ($\mu\text{g/L}$) (MW-1R). The MTBE concentrations in the deep onsite wells ranged from below laboratory detection limits (MW-16D) to 1,400 $\mu\text{g/L}$ (RW-1). As compared to the May 2019 sampling results, increases in MTBE concentration in MW-17D were observed in MW-17D (75), MW-17D (81) and MW-17D (147). The MTBE concentration in the off-site deep wells were detected below laboratory detection limits.

The three intervals in MW-17D that exhibited minor increases in MTBE concentrations were from 3,300 $\mu\text{g/L}$ to 3,800 $\mu\text{g/L}$ in MW-17 (75), 1,900 $\mu\text{g/L}$ to 2,600 $\mu\text{g/L}$ in MW-17 (81), and from 450 $\mu\text{g/L}$ to 590 $\mu\text{g/L}$ in MW-17D (147). Monitoring well MW-17D (75) has historically demonstrated greater variability than the other sample intervals at MW-17D. Monitoring well MW-17D (147) has remained below concentrations observed prior to the second system shutdown in August 2018. As presented below, MTBE concentrations remain below those observed when the system operation was suspended in August 2016.



Historically, the period prior to system operation, and following system operation suspension in August 2016, exhibited greater average (all sample intervals) MTBE and TBA concentrations, as shown below. The recent observed fluctuation in concentrations is on a consistent trend with these historical highs, and still reflect the fact that the mass of MTBE and TBA continues to attenuate. The fluctuation in MTBE concentrations observed in MW-17D has a negligible effect on the total calculated mass flux leaving the Site as presented in the Second Quarter 2018 CAP Monitoring Report. It is anticipated that concentrations will continue to decrease due to attenuation in subsequent sampling events.



Groundwater and Environmental Services, Inc. provided Kleinfelder with a copy of the Second Half 2019 Semi-Annual Groundwater Monitoring Report dated January 16, 2020 for PC # 2003-3230 (**Appendix B**). The off-site monitoring wells results indicate that MTBE concentrations in groundwater continue to decline, with a maximum concentration of 160 µg/L in monitoring well W-1. Additionally, the MTBE concentration in monitoring well MW-20D (73-83) decreased from 230 µg/L (May 2019) to below laboratory detection limits (November 2019).

ACTIVITIES PLANNED FOR NEXT PERIOD (FIRST QUARTER 2020)

Activities planned for the First Quarter 2020 include one groundwater sampling event.

LIMITATIONS

This work was performed in a manner consistent with that level of care and skill ordinarily exercised by other members of Kleinfelder's profession practicing in the same locality, under similar conditions and at the date the services are provided. Our conclusions, opinions and recommendations are based on a limited number of observations and data. It is possible that conditions could vary between or beyond the data evaluated. Kleinfelder makes no other representation, guarantee or warranty, express or implied, regarding the services, communication (oral or written), report, opinion, or instrument of service provided.

Sincerely,

KLEINFELDER



Evan McMullen
Geologist



Mark C. Steele
Senior Program Manager

FIGURES

- 1 Local Area Map
- 2 Site Plan
- 3 Hydrocarbon Distribution / Groundwater Contour Map – Shallow Wells
(November 21 and 25, 2019)
- 4 Hydrocarbon Distribution / Groundwater Contour Map – Deep Wells
(November 21 and 25, 2019)

TABLES

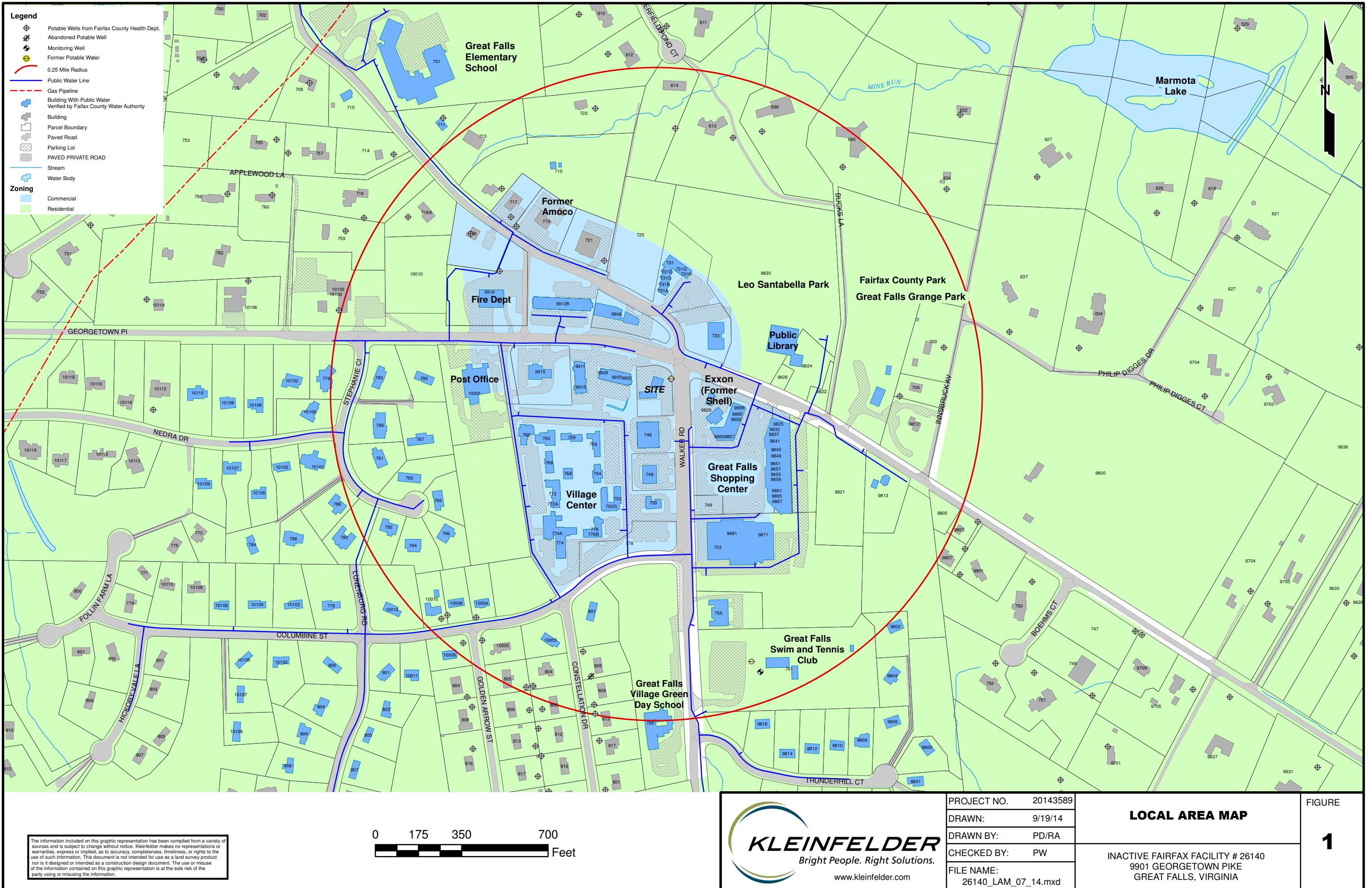
- 1 Monitoring Well Construction Data
- 2 Monitoring Well Gauging Data Summary (November 21 and 25, 2019)
- 3 Groundwater Monitoring & Analytical Data

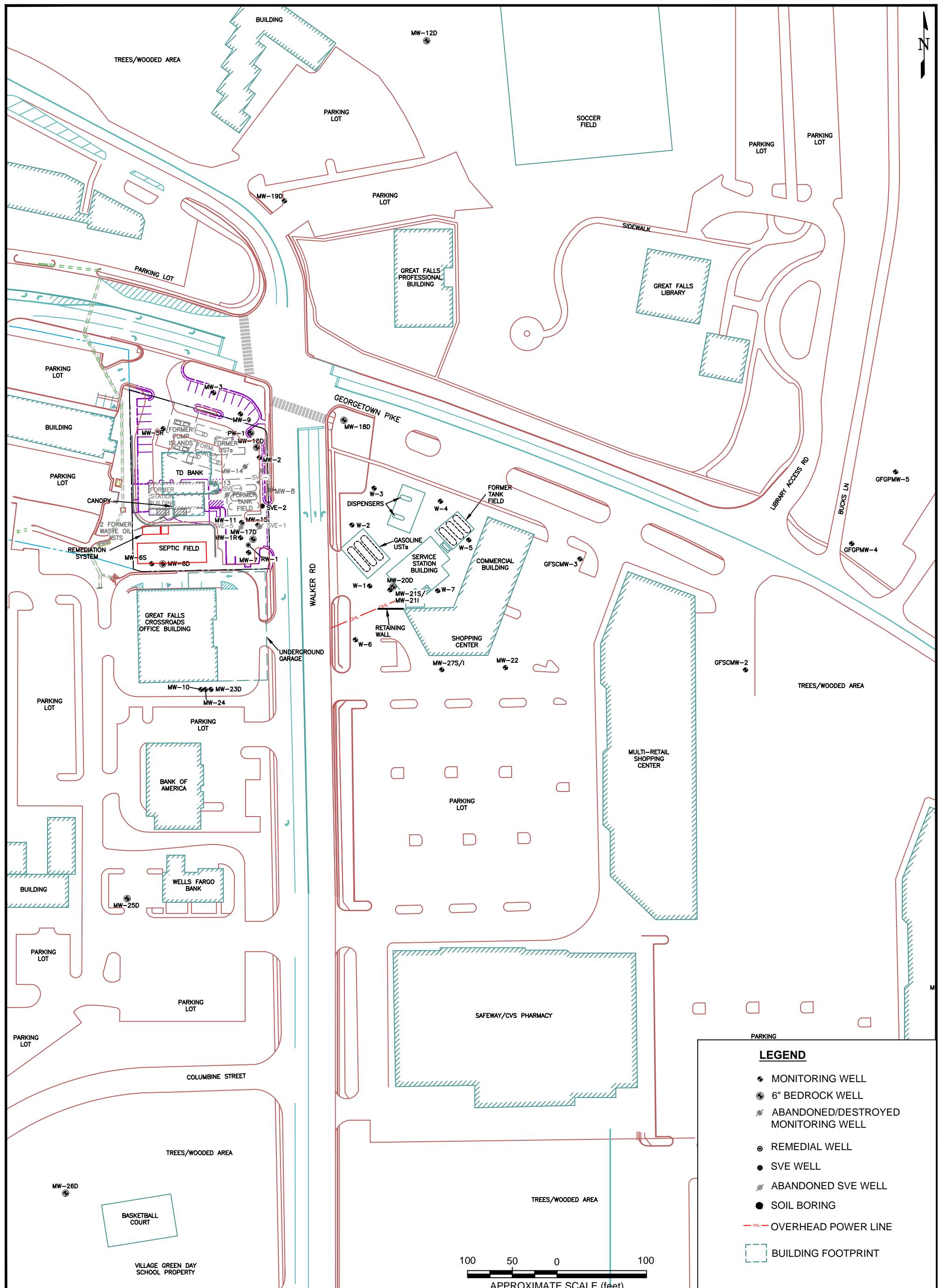
APPENDIX

- A Lancaster Laboratories Analysis Reports – Groundwater (November 21, 2019)
- B PC #2003-3230 2nd Half 2019 Groundwater Monitoring Report



FIGURES





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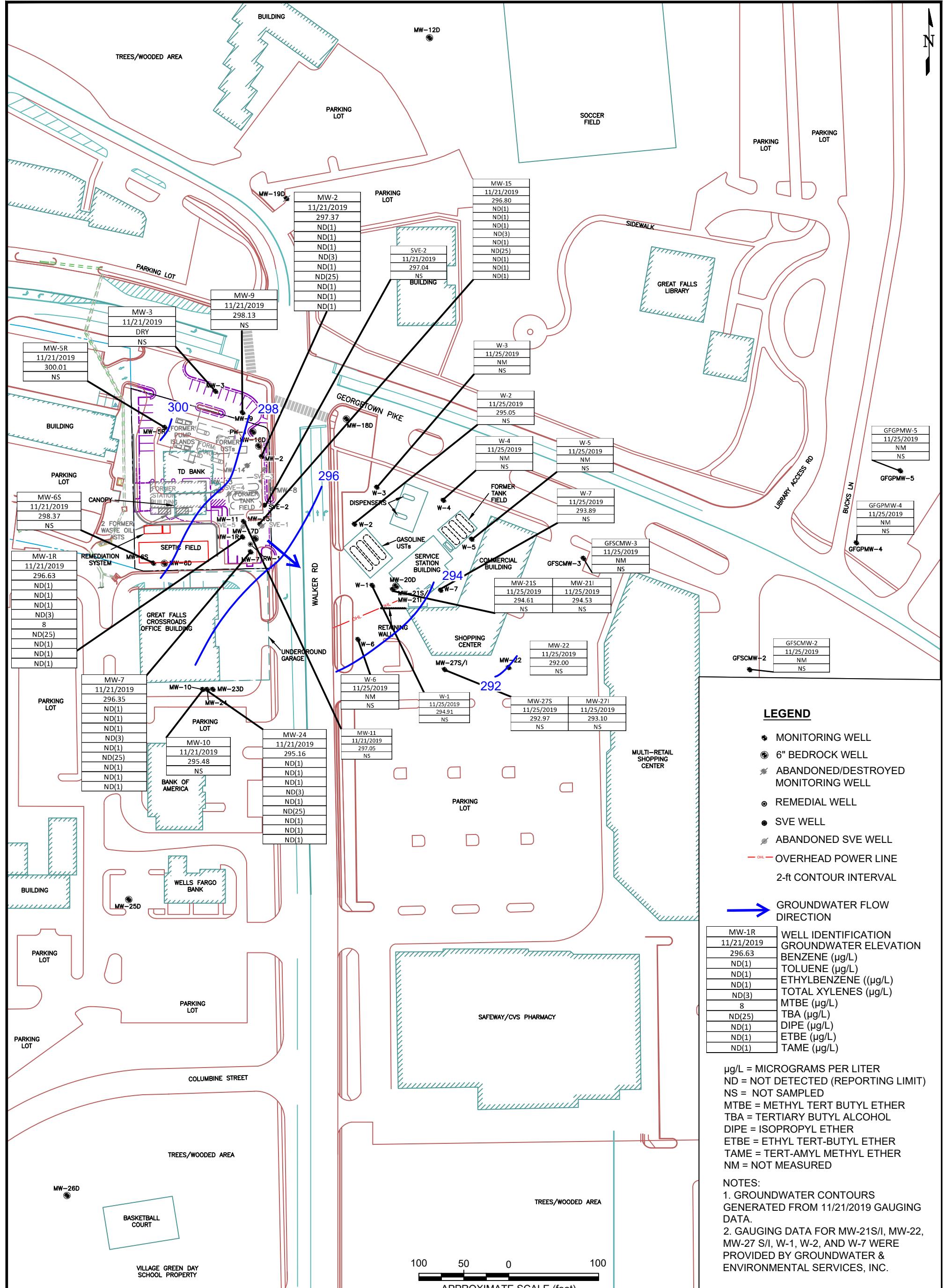
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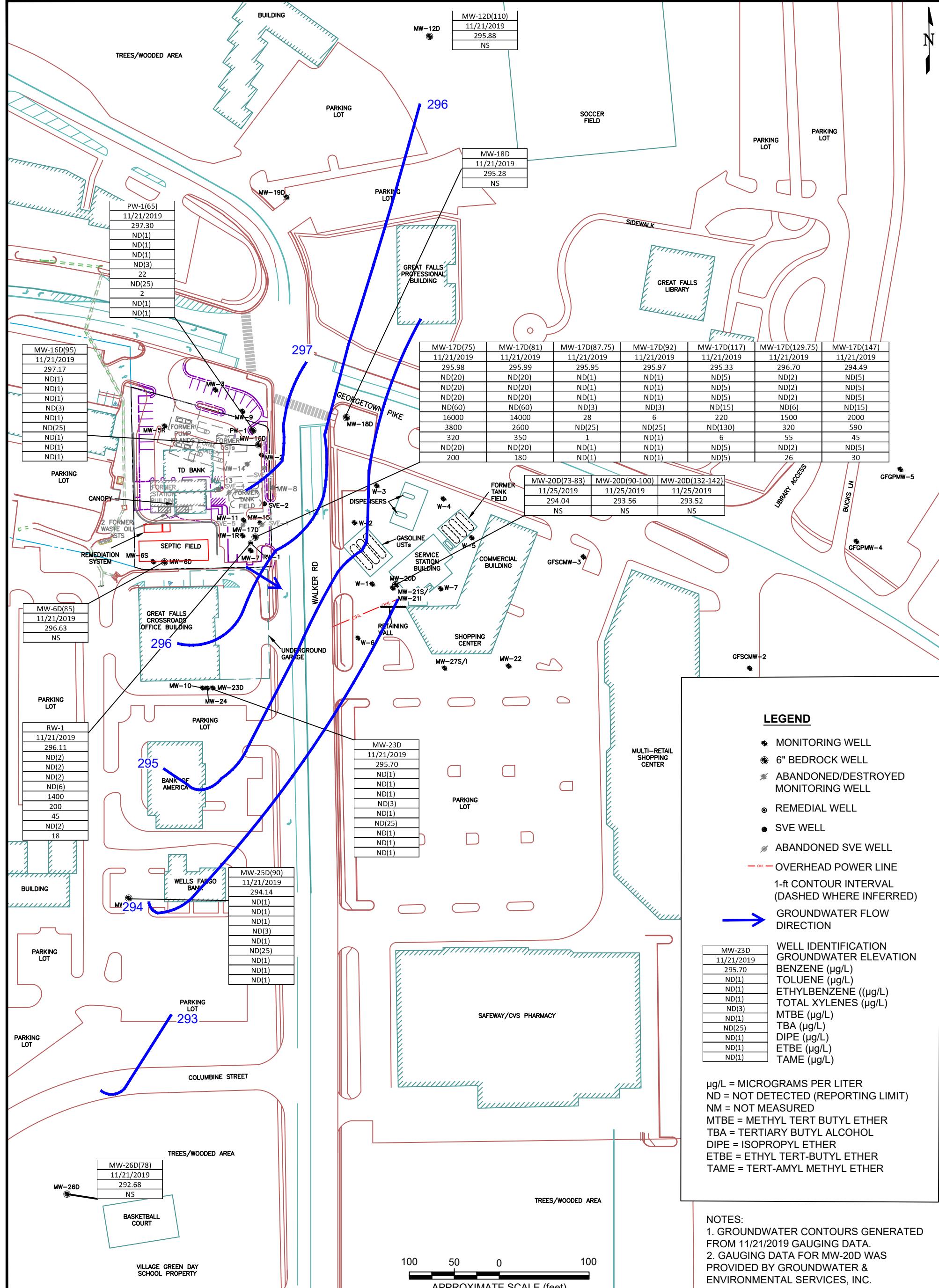
SITE PLAN

INACTIVE FAIRFAX FACILITY #26140
9901 GEORGETOWN PIKE
GREAT FALLS, VIRGINIA

FIGURE

2





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PROJECT NO. 00109816
DRAWN: 01/08/2020
DRAWN BY: RAS
CHECKED BY: EM
FILE NAME: 26140_GROUNDWATER CONTOUR MAP.dwg

DEEP MONITORING WELL GROUNDWATER CONTOUR / HYDROCARBON DISTRIBUTION MAP NOVEMBER 21 & 25, 2019

INACTIVE FAIRFAX FACILITY #26140
9901 GEORGETOWN PIKE
GREAT FALLS, VIRGINIA

FIGURE
4



TABLES

TABLE 1
Monitoring Well Construction Details

Inactive Fairfax Facility #26140
9901 Georgetown Pike
Great Falls, Virginia

Monitoring Well	Installation Date	Well Type	Well Diameter (inch)	Top of Casing Elevation (feet)	Riser / Casing Length (feet)	Screen Length / Open Interval (feet)	Total Borehole Depth (feet below grade)	Screen / Open Interval (feet below grade)	Comments
MW-1	7/20/2009	Monitoring	2	328.99	20	17	37	20-37	
MW-1R	2/14/2017	Monitoring	2	329.16	30	15	45	30-45	Replacement well for MW-1
MW-2	7/21/2009	Monitoring	2	332.05	25	15	42	25-40	
MW-3	7/22/2009	Monitoring	2	335.66	26.5	10	37	26.5-36.5	Ground surface elevation raised approximately 1.5 feet during TD Bank development
MW-5	7/22/2009	Monitoring	2	332.35	30	10	42	30-40	
MW-5R	2/14/2017	Monitoring	2	332.24	25	15	40	25-40	Replacement well for MW-5
MW-6S	9/11/2009	Monitoring	4	321.85	20	15	35	20-35	
MW-6D	9/11/2009	Deep Monitoring	6	323.09	70	50	120	70-120	Open borehole after 70 feet
MW-7	10/16/2009	Monitoring	2	328.75	15	25	40	15-40	
MW-8	10/8/2009	Monitoring	2	330.54	25	20	45	25-45	Abandoned 9/19/2013
MW-9	10/9/2009	Monitoring	2	333.88	25	20	45	25-45	
MW-10	10/12/2009	Monitoring	2	324.17	10	30	40	10-40	
MW-11	10/14/2009	Monitoring	2	329.73	10	30	40	10-40	
MW-12D	1/11/2011	Deep Monitoring	6	326.43	100	60	160	100-160	Open borehole after 100 feet
MW-13	8/18/2011	Monitoring	4	332.00	25	20	45	25-45	Abandoned 10/19/2016
MW-14	8/18/2011	Monitoring	4	331.81	25	20	45	25-45	Destroyed during TD Bank construction
MW-15	8/18/2011	Monitoring	4	329.11	25	20	45	25-45	
MW-16D	11/22/2011	Monitoring	6	332.27	85	25	110	85-110	Open borehole after 85 feet.

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Monitoring Well Construction Details

Inactive Fairfax Facility #26140
9901 Georgetown Pike
Great Falls, Virginia

Monitoring Well	Installation Date	Well Type	Well Diameter (inch)	Top of Casing Elevation (feet)	Riser / Casing Length (feet)	Screen Length / Open Interval (feet)	Total Borehole Depth (feet below grade)	Screen / Open Interval (feet below grade)	Comments
MW-17D	4/9/2013	Deep Monitoring	6	328.99	68	82	150	68-150	Converted to CMT on 4/9/2014.
MW-17D (CMT-1)	4/9/2014	Discrete Interval Monitoring	0.4	328.99	71	6	150	71-77	The Continuous Multichannel Tubing (CMT) screens are approximately six inches in length. The Screen Length / Open Interval and Screen / Open Interval columns refer to the sand pack installed in the borehole annulus surrounding the CMT port.
MW-17D (CMT-2)	4/9/2014	Discrete Interval Monitoring	0.4	328.99	79	4	150	79-83	
MW-17D (CMT-3)	4/9/2014	Discrete Interval Monitoring	0.4	328.99	86	4	150	86-90	
MW-17D (CMT-4)	4/9/2014	Discrete Interval Monitoring	0.4	328.99	91	2	150	91-93	
MW-17D (CMT-5)	4/9/2014	Discrete Interval Monitoring	0.4	328.99	114	6	150	114-120	
MW-17D (CMT-6)	4/9/2014	Discrete Interval Monitoring	0.4	328.99	126	6	150	126-132	
MW-17D (CMT-7)	4/9/2014	Discrete Interval Monitoring	0.38	328.99	146	4	150	146-150	
MW-18D	11/22/2011	Deep Monitoring	6	334.88	97	58	136	92-150	Open borehole after 92 feet. Borehole blocked by rock at 101 feet during testing on 4/30/13.
MW-19D	3/8/2014	Deep Monitoring	2	341.91	80	20	100	80-100	Abandoned 5/31/2019
MW-20D	4/7/2014	Deep Monitoring	6	329.80	70	72	142	70-142	Open borehole after 70 feet.
MW-20D	4/7/2014	Deep Monitoring	1	329.57	73	73	83	70-142	MW-20D was converted to three discrete monitoring intervals on 8/20/2014
MW-20D	4/7/2014	Deep Monitoring	1	329.58	90	90	100	70-142	
MW-20D	4/7/2014	Deep Monitoring	1	329.56	132	132	142	70-142	
MW-21I	4/1/2014	Monitoring	2	329.71	56	10	66	56-66	Part of a nested well pair including MW-21S
MW-21S	4/1/2014	Monitoring	2	329.69	26	20	46	26-46	Part of a nested well pair including MW-21I

TABLE 1
Monitoring Well Construction Details

Inactive Fairfax Facility #26140
9901 Georgetown Pike
Great Falls, Virginia

Monitoring Well	Installation Date	Well Type	Well Diameter (inch)	Top of Casing Elevation (feet)	Riser / Casing Length (feet)	Screen Length / Open Interval (feet)	Total Borehole Depth (feet below grade)	Screen / Open Interval (feet below grade)	Comments
MW-22	4/3/2014	Monitoring	2	320.97	20	20	40	20-40	
MW-23D	5/1/2014	Deep Monitoring	2	324.81	90	10	100	90-100	
MW-24	4/3/2014	Monitoring	2	324.49	50	10	60	50-60	
MW-25D	8/17/2014	Deep Monitoring	6	317.18	65	36	101	65-101	Open borehole after 65 feet.
MW-26D	8/21/2014	Deep Monitoring	6	295.13	57	47	104	57-104	Open borehole after 57 feet.
MW-27I	8/21/2014	Monitoring	2	323.35	55	10	65	55-65	Part of a nested well pair including MW-27S
MW-27S	8/21/2014	Monitoring	2	323.40	20	20	40	20-40	Part of a nested well pair including MW-27I
PW-1	Unknown	Deep Monitoring	6	333.25	55	20	75	55 - 75	Former potable well. Partially abandoned in November 2011. Original well depth was approximately 116 feet.
RW-1	3/13/2014	Recovery	6	328.52	21	70	91	21-91	Total drilled depth was 100 feet; borehole collapsed to 91 feet during the installation of screen and casing.
SVE-1	2/17/2014	Soil Vapor Extraction	4	NSVD	15	20	35	15-35	Abandoned 10/19/2016
SVE-2	2/18/2014	Soil Vapor Extraction	4	331.12	25	20	45	25-45	Designed to serve as a SVE well and monitoring well to replace the abandoned MW-8
SVE-3	2/19/2014	Soil Vapor Extraction	4	NSVD	15	20	35	15-35	Abandoned 10/19/2016
SVE-4	2/19/2014	Soil Vapor Extraction	4	NSVD	15	20	35	15-35	Abandoned 10/19/2016
SVE-5	2/18/2014	Soil Vapor Extraction	4	NSVD	15	20	35	15-35	Abandoned 10/19/2016

Notes:

NSVD - Not Surveyed to Vertical Datum
CMT - Continuous Multichannel Tubing

Table 2
Monitoring Well Gauging Data Summary

Inactive Fairfax Facility #26140
9901 Georgetown Pike
Great Falls, Virginia
November 21, 2019 through November 25, 2019

Well ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Correction Factor (feet)	Corrected GW Elevation (feet)	Comments
MW-1R	11/21/2019	329.16	32.53	ND	ND	N/A	296.63	
MW-2	11/21/2019	332.05	34.68	ND	ND	N/A	297.37	
MW-3	11/21/2019	335.66	DRY	DRY	DRY	N/A	DRY	
MW-5R	11/21/2019	332.24	32.23	ND	ND	N/A	300.01	
MW-6S	11/21/2019	321.85	23.48	ND	ND	N/A	298.37	
MW-6D(85)	11/21/2019	323.09	26.46	ND	ND	N/A	296.63	
MW-7	11/21/2019	328.75	32.40	ND	ND	N/A	296.35	
SVE-2	11/21/2019	331.12	34.08	ND	ND	N/A	297.04	
MW-9	11/21/2019	333.88	35.75	ND	ND	N/A	298.13	
MW-10	11/21/2019	324.17	28.69	ND	ND	N/A	295.48	
MW-11	11/21/2019	329.73	32.68	ND	ND	N/A	297.05	
MW-12D(110)	11/21/2019	326.43	30.55	ND	ND	N/A	295.88	
MW-15	11/21/2019	329.11	32.31	ND	ND	N/A	296.80	
MW-16D(95)	11/21/2019	332.27	35.10	ND	ND	N/A	297.17	
MW-17D(75)	11/21/2019	328.99	33.01	ND	ND	N/A	295.98	
MW-17D(81)	11/21/2019	328.99	33.00	ND	ND	N/A	295.99	
MW-17D(87.75)	11/21/2019	328.99	33.04	ND	ND	N/A	295.95	
MW-17D(92)	11/21/2019	328.99	33.02	ND	ND	N/A	295.97	
MW-17D(117)	11/21/2019	328.99	33.66	ND	ND	N/A	295.33	
MW-17D(129.75)	11/21/2019	328.99	32.29	ND	ND	N/A	296.70	
MW-17D(147)	11/21/2019	328.99	34.50	ND	ND	N/A	294.49	
MW-18D	11/21/2019	334.88	39.60	ND	ND	N/A	295.28	
MW-20D(73-83)	11/25/2019	329.57	35.53	ND	ND	N/A	294.04	
MW-20D(90-100)	11/25/2019	329.58	36.02	ND	ND	N/A	293.56	
MW-20D(132-142)	11/25/2019	329.56	36.04	ND	ND	N/A	293.52	
MW-21S	11/25/2019	329.69	35.08	ND	ND	N/A	294.61	
MW-21I	11/25/2019	329.71	35.18	ND	ND	N/A	294.53	
MW-22	11/25/2019	320.97	28.97	ND	ND	N/A	292.00	
MW-23D	11/21/2019	324.81	29.11	ND	ND	N/A	295.70	
MW-24	11/21/2019	324.49	29.33	ND	ND	N/A	295.16	
MW-25D(90)	11/21/2019	317.18	23.04	ND	ND	N/A	294.14	
MW-26D(78)	11/21/2019	295.13	2.45	ND	ND	N/A	292.68	
MW-27S	11/25/2019	323.40	30.43	ND	ND	N/A	292.97	
MW-27I	11/25/2019	323.35	30.25	ND	ND	N/A	293.10	
PW-1(65)	11/21/2019	333.25	35.95	ND	ND	N/A	297.30	
RW-1	11/21/2019	328.52	32.41	ND	ND	N/A	296.11	
W-1	11/25/2019	328.53	33.62	ND	ND	N/A	294.91	
W-2	11/25/2019	329.47	34.42	ND	ND	N/A	295.05	
W-3	11/25/2019	330.14	NM	NM	NM	N/A	NM	Not Measured
W-4	11/25/2019	327.67	NM	NM	NM	N/A	NM	Not Measured

Table 2 (Continued)
Monitoring Well Gauging Data Summary

Inactive Fairfax Facility #26140
 9901 Georgetown Pike
 Great Falls, Virginia
 November 21, 2019 through November 25, 2019

Well ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Correction Factor (feet)	Corrected GW Elevation (feet)	Comments
W-5	11/25/2019	327.81	NM	NM	NM	N/A	NM	Not Measured
W-6	11/25/2019	325.21	NM	NM	NM	N/A	NM	Not Measured
W-7	11/25/2019	329.77	35.88	ND	ND	N/A	293.89	
GFSCMW-2	11/25/2019	316.79	NM	NM	NM	N/A	NM	Not Measured
GFSCMW-3	11/25/2019	319.78	NM	NM	NM	N/A	NM	Not Measured
GFGPMW-4	11/25/2019	310.10	NM	NM	NM	N/A	NM	Not Measured
GFGPMW-5	11/25/2019	310.72	NM	NM	NM	N/A	NM	Not Measured

Notes:

GW - Groundwater

ND - Not detected

NM - Not monitored

NSVD - Not surveyed to vertical datum

Table 3**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-1R	7/24/2009	328.99	30.45	ND	ND	298.54	13.3	<1.0	0.53	24	193000	NA	NA	NA	NA	
	8/18/2009	328.99	NM	NM	NM	NM	ND(200)	ND(200)	ND(200)	ND(200)	138000	NA	NA	NA	NA	
	10/15/2009	328.99	31.88	ND	ND	297.11	ND(200)	ND(200)	ND(200)	ND(200)	139000	47000	4070	ND(1000)	2130	
	6/22/2010	328.99	28.65	ND	ND	300.34	ND(5)	ND(7)	ND(8)	ND(8)	13000	NA	NA	NA	NA	
	9/30/2010	328.99	31.11	ND	ND	297.88	ND(50)	ND(70)	ND(80)	110	240000	NA	NA	NA	NA	
	12/16/2010	328.99	30.93	ND	ND	298.06	ND(100)	ND(140)	ND(160)	ND(160)	220000	NA	NA	NA	NA	
	2/17/2011	328.99	31.46	ND	ND	297.53	ND(250)	ND(350)	ND(400)	ND(400)	190000	NA	NA	NA	NA	
	5/24/2011	328.99	30.24	ND	ND	298.75	ND(50)	ND(70)	ND(80)	ND(80)	140000	NA	NA	NA	NA	
	9/2/2011	328.99	32.92	ND	ND	296.07	ND(50)	ND(70)	ND(80)	ND(80)	160000	NA	NA	NA	NA	
	12/29/2011	328.99	30.99	ND	ND	298.00	ND(50)	ND(70)	ND(80)	ND(80)	160000	NA	NA	NA	NA	
	6/1/2012	328.99	31.47	ND	ND	297.52	ND(50)	ND(70)	ND(80)	ND(80)	140000	NA	NA	NA	NA	
	2/25/2013	328.99	32.84	ND	ND	296.15	ND(250)	ND(250)	ND(250)	ND(250)	120000	15000	3700	ND(250)	1700	
	6/6/2013	328.99	32.14	ND	ND	296.85	ND(50)	ND(70)	ND(80)	ND(80)	150000	NA	NA	NA	NA	
	12/19/2013	328.99	33.06	ND	ND	295.93	ND(250)	ND(250)	ND(250)	ND(250)	84000	6900	2200	ND(250)	1100	
	3/25/2014	328.99	31.04	ND	ND	297.95	ND(500)	ND(500)	ND(500)	ND(500)	71000	ND(8000)	1200	ND(500)	850	
	6/20/2014	328.99	29.43	ND	ND	299.56	ND(20)	ND(20)	ND(20)	ND(20)	20000	ND(400)	490	ND(20)	210	
	9/8/2014	328.99	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	328.99	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	328.99	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/1/2015	328.99	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/2/2015	328.99	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	328.99	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/3/2016	328.99	32.45	ND	ND	296.54	ND(1)	ND(1)	ND(1)	ND(1)	48	ND(20)	12	ND(1)	ND(1)	
	8/16/2016	328.99	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/13/2016	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	329.16	34.69	ND	ND	294.47	ND(1)	ND(1)	ND(1)	ND(1)	40	ND(20)	18	ND(1)	ND(1)	
	6/22/2017	329.16	37.01	ND	ND	292.15	ND(1)	ND(1)	ND(1)	ND(1)	19	ND(20)	9	ND(1)	ND(1)	
	9/1/2017	329.16	38.68	ND	ND	290.48	ND(1)	ND(1)	ND(1)	ND(1)	8	ND(20)	4	ND(1)	ND(1)	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-1R	11/30/2017	329.16	38.95	ND	ND	290.21	ND(1)	ND(1)	ND(1)	ND(1)	4	ND(20)	2	ND(1)	ND(1)	
	3/8/2018	329.16	38.11	ND	ND	291.05	ND(1)	ND(1)	ND(1)	ND(1)	3	ND(20)	1	ND(1)	ND(1)	
	6/4/2018	329.16	36.17	ND	ND	292.99	ND(1)	ND(1)	ND(1)	ND(1)	3	ND(20)	2	ND(1)	ND(1)	
	9/6/2018	329.16	31.65	ND	ND	297.51	ND(1)	ND(1)	ND(1)	ND(5)	25	ND(25)	4	ND(1)	ND(1)	
	12/3/2018	329.16	30.23	ND	ND	298.93	ND(1)	ND(1)	ND(1)	ND(5)	15	ND(25)	2	ND(1)	ND(1)	
	3/14/2019	329.16	28.22	ND	ND	300.94	ND(1)	ND(1)	ND(1)	ND(5)	18	ND(25)	1	ND(1)	ND(1)	
	5/31/2019	329.16	28.44	ND	ND	300.72	ND(1)	ND(1)	ND(1)	ND(5)	10	ND(25)	ND(1)	ND(1)	ND(1)	
	9/17/2019	329.16	31.32	ND	ND	297.84	ND(1)	ND(1)	ND(1)	ND(3)	9	ND(25)	ND(1)	ND(1)	ND(1)	
	11/21/2019	329.16	32.53	ND	ND	296.63	ND(1)	ND(1)	ND(1)	ND(3)	8	ND(25)	ND(1)	ND(1)	ND(1)	
Mann-Kendall Statistic							0	0	0	0	-26	0	-58	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-2	7/24/2009	102.90	33.19	ND	ND	69.71	70.2	8.0	1.0	131	107000	NA	NA	NA	NA	Screened from 25-40'
	8/18/2009	332.05	NM	NM	NM	NM	ND(100)	ND(100)	ND(100)	ND(100)	87100	NA	NA	NA	NA	
	10/15/2009	332.05	34.41	ND	ND	297.64	ND(200)	ND(200)	ND(200)	ND(200)	122000	ND(5000)	6130	ND(1000)	2420	
	7/1/2010	332.05	31.63	ND	ND	300.42	ND(100)	91.3	ND(100)	ND(100)	52400	NA	NA	NA	NA	
	9/30/2010	332.05	32.96	ND	ND	299.09	ND(25)	ND(35)	ND(40)	ND(40)	37000	NA	NA	NA	NA	
	12/16/2010	332.05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	Well inaccessible
	2/17/2011	332.05	34.15	ND	ND	297.90	ND(100)	ND(140)	ND(160)	ND(160)	140000	NA	NA	NA	NA	
	5/24/2011	332.05	32.92	ND	ND	299.13	ND(25)	ND(35)	ND(40)	ND(40)	54000	NA	NA	NA	NA	
	9/2/2011	332.05	35.53	ND	ND	296.52	ND(50)	ND(70)	ND(80)	ND(80)	160000	NA	NA	NA	NA	
	12/29/2011	332.05	33.64	ND	ND	298.41	ND(25)	ND(35)	ND(40)	ND(40)	49000	NA	NA	NA	NA	
	6/1/2012	332.05	34.16	ND	ND	297.89	ND(50)	ND(70)	ND(80)	ND(80)	100000	NA	NA	NA	NA	
	2/25/2013	332.05	35.47	ND	ND	296.58	ND(250)	ND(250)	ND(250)	ND(250)	71000	4600	1900	ND(250)	1100	
	6/6/2013	332.05	34.91	ND	ND	297.14	ND(3)	ND(4)	ND(4)	ND(4)	3500	NA	NA	NA	NA	
	12/19/2013	332.05	35.50	ND	ND	296.55	ND(130)	ND(130)	ND(130)	ND(130)	19000	6800	710	ND(130)	280	
	3/25/2014	332.05	33.30	ND	ND	298.75	ND(50)	ND(50)	ND(50)	ND(50)	7500	2500	310	ND(50)	110	
	6/20/2014	332.05	31.27	ND	ND	300.78	ND(1)	ND(1)	ND(1)	ND(1)	450	ND(20)	29	ND(1)	7	
	9/10/2014	332.05	33.74	ND	ND	298.31	ND(1)	ND(1)	ND(1)	ND(1)	860	ND(20)	38	ND(1)	15	
	12/9/2014	332.05	40.02	ND	ND	292.03	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient volume to sample
	3/12/2015	332.05	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	332.05	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/1/2015	332.05	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/2/2015	332.05	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	332.05	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/3/2016	332.05	34.70	ND	ND	297.35	ND(1)	ND(1)	ND(1)	ND(1)	5	ND(20)	ND(1)	ND(1)	ND(1)	
	8/16/2016	332.05	37.09	ND	ND	294.96	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient volume to sample
	12/13/2016	332.05	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	332.05	36.95	ND	ND	295.10	ND(1)	ND(1)	ND(1)	ND(1)	3	ND(20)	ND(1)	ND(1)	ND(1)	
	6/22/2017	332.05	37.66	ND	ND	294.39	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-2	8/28/2017	332.05	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2017	332.05	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	332.05	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	332.05	37.88	ND	ND	294.17	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient volume to sample
	9/6/2018	332.05	33.89	ND	ND	298.16	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	332.05	31.75	ND	ND	300.30	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	3/14/2019	332.05	30.35	ND	ND	301.70	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	5/31/2019	332.05	30.45	ND	ND	301.60	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	9/16/2019	332.05	33.12	ND	ND	298.93	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	11/21/2019	332.05	34.68	ND	ND	297.37	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
Mann-Kendall Statistic							0	0	0	0	-15	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-3	7/24/2009	104.99	33.67	ND	ND	71.32	<0.50	<1.0	<1.0	ND	5.7	NA	NA	NA	NA	Screened from 25-35'
	8/18/2009	333.98	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	10/15/2009	333.98	34.51	ND	ND	299.47	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient volume to sample
	7/1/2010	333.98	32.39	ND	ND	301.59	ND(2)	ND(2)	ND(2)	ND(2)	1.9	NA	NA	NA	NA	
	9/30/2010	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/16/2010	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/17/2011	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/24/2011	333.98	33.63	ND	ND	300.35	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	2 J	NA	NA	NA	NA	
	9/2/2011	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/29/2011	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/1/2012	333.98	34.56	ND	ND	299.42	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient volume to sample
	2/25/2013	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/6/2013	333.98	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/18/2013	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/24/2014	333.98	34.25	ND	ND	299.73	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/19/2014	333.98	32.09	ND	ND	301.89	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/4/2014	333.98	34.42	ND	ND	299.56	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient volume to sample
	12/9/2014	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/1/2015	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/2/2015	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/16/2016	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/13/2016	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	335.66	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	335.66	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-3	8/28/2017	335.66	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2017	335.66	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	335.66	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	335.66	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	335.66	35.46	ND	ND	300.20	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient volume to sample
	12/3/2018	335.66	33.68	ND	ND	301.98	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	335.66	32.14	ND	ND	303.52	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	335.66	32.37	ND	ND	303.29	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	335.66	35.35	ND	ND	300.31	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient water to sample
	11/21/2019	335.66	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic							N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-5R	7/24/2009	103.43	30.72	ND	ND	72.71	<0.50	<1.0	<1.0	ND	1.3	NA	NA	NA	NA	
	8/18/2009	332.35	NM	NM	NM	NM	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.48	NA	NA	NA	NA	
	10/15/2009	332.35	32.51	ND	ND	299.84	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	11.4	ND(25)	0.46	ND(5.0)	ND(5.0)	
	6/22/2010	332.35	29.40	ND	ND	302.95	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	1 J	NA	NA	NA	NA	
	9/30/2010	332.35	32.30	ND	ND	300.05	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	1	NA	NA	NA	NA	
	12/16/2010	332.35	32.12	ND	ND	300.23	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	12	NA	NA	NA	NA	
	2/17/2011	332.35	32.31	ND	ND	300.04	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	2 J	NA	NA	NA	NA	
	5/24/2011	332.35	30.84	ND	ND	301.51	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	0.9 J	NA	NA	NA	NA	
	9/2/2011	332.35	33.39	ND	ND	298.96	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	0.9 J	NA	NA	NA	NA	
	12/29/2011	332.35	31.36	ND	ND	300.99	ND(0.5)	1 J	ND(0.8)	1 J	7	NA	NA	NA	NA	
	6/1/2012	332.35	31.93	ND	ND	300.42	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	0.8 J	NA	NA	NA	NA	
	2/25/2013	332.35	33.28	ND	ND	299.07	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	
	6/6/2013	332.35	32.55	ND	ND	299.80	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	1 J	NA	NA	NA	NA	
	12/18/2013	332.35	33.92	ND	ND	298.43	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	
	3/24/2014	332.35	31.32	ND	ND	301.03	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/19/2014	332.35	29.30	ND	ND	303.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/2/2014	332.35	31.37	ND	ND	300.98	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	12/9/2014	332.35	35.19	ND	ND	297.16	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	332.35	34.59	ND	ND	297.76	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	332.35	33.31	ND	ND	299.04	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2015	332.35	35.55	ND	ND	296.80	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(1)	ND(20)	ND(1)	ND(1)	
	12/2/2015	332.35	36.61	ND	ND	295.74	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	332.35	33.71	ND	ND	298.64	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	332.35	32.04	ND	ND	300.31	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/17/2016	332.35	34.41	ND	ND	297.94	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	332.24	34.10	ND	ND	298.14	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/22/2017	332.24	34.01	ND	ND	298.23	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-5R	8/29/2017	332.24	35.44	ND	ND	296.80	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	11/30/2017	332.24	36.19	ND	ND	296.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	332.24	35.30	ND	ND	296.94	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	332.24	31.98	ND	ND	300.26	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	332.24	29.47	ND	ND	302.77	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	332.24	29.07	ND	ND	303.17	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	332.24	25.01	ND	ND	307.23	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	332.24	27.95	ND	ND	304.29	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	332.24	30.91	ND	ND	301.33	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	11/21/2019	332.24	32.23	ND	ND	300.01	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic							0	0	0	0	0	0	0	0	0	0

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-6S	9/24/2009	321.85	NM	NM	NM	NM	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.8	ND(25)	2.1	ND(5.0)	ND(5.0)	Screened from 20-35'
	10/15/2009	321.85	23.35	ND	ND	298.50	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.8	ND(25)	1.3	ND(5.0)	ND(5.0)	
	6/22/2010	321.85	20.22	ND	ND	301.63	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	2	NA	NA	NA	NA	
	9/30/2010	321.85	23.00	ND	ND	298.85	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	0.9	NA	NA	NA	NA	
	12/16/2010	321.85	22.82	ND	ND	299.03	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	1	NA	NA	NA	NA	
	2/17/2011	321.85	23.02	ND	ND	298.83	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	1 J	NA	NA	NA	NA	
	5/24/2011	321.85	21.66	ND	ND	300.19	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	1 J	NA	NA	NA	NA	
	9/2/2011	321.85	24.04	ND	ND	297.81	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	1 J	NA	NA	NA	NA	
	12/29/2011	321.85	22.15	ND	ND	299.70	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	2 J	NA	NA	NA	NA	
	6/1/2012	321.85	22.72	ND	ND	299.13	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	0.8 J	NA	NA	NA	NA	
	2/25/2013	321.85	24.03	ND	ND	297.82	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	
	6/6/2013	321.85	23.49	ND	ND	298.36	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(0.5)	NA	NA	NA	NA	
	12/17/2013	321.85	24.63	ND	ND	297.22	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	
	3/24/2014	321.85	22.19	ND	ND	299.66	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/19/2014	321.85	20.01	ND	ND	301.84	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2014	321.85	22.41	ND	ND	299.44	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/9/2014	321.85	26.42	ND	ND	295.43	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	321.85	25.91	ND	ND	295.94	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	321.85	36.59	ND	ND	285.26	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/2/2015	321.85	27.01	ND	ND	294.84	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/2/2015	321.85	27.84	ND	ND	294.01	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	321.85	25.18	ND	ND	296.67	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	321.85	23.04	ND	ND	298.81	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/18/2016	321.85	25.64	ND	ND	296.21	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	321.85	25.67	ND	ND	296.18	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	321.85	25.28	ND	ND	296.57	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	321.85	25.48	ND	ND	296.37	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/29/2017	321.85	27.01	ND	ND	294.84	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-6S	11/30/2017	321.85	27.67	ND	ND	294.18	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	321.85	26.69	ND	ND	295.16	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	321.85	24.45	ND	ND	297.40	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	321.85	21.65	ND	ND	300.20	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	321.85	20.31	ND	ND	301.54	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	321.85	18.83	ND	ND	303.02	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	321.85	19.12	ND	ND	302.73	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	321.85	22.14	ND	ND	299.71	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	11/21/2019	321.85	23.48	ND	ND	298.37	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic							0	0	0	0	0	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-6D(85)	6/22/2010	323.09	26.69	ND	ND	296.40	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	1	NA	NA	NA	NA	
	9/30/2010	323.09	26.51	ND	ND	296.58	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	1	NA	NA	NA	NA	
	12/16/2010	323.09	25.92	ND	ND	297.17	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	6	NA	NA	NA	NA	
	2/17/2011	323.09	26.14	ND	ND	296.95	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(1) J	NA	NA	NA	NA	
	5/24/2011	323.09	25.83	ND	ND	297.26	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	1 J	NA	NA	NA	NA	
	9/2/2011	323.09	27.45	ND	ND	295.64	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	0.9 J	NA	NA	NA	NA	
	12/22/2011	323.09	25.47	ND	ND	297.62	ND(0.5)	1 J	ND(0.8)	ND(0.8)	0.8 J	NA	NA	NA	NA	
	6/1/2012	323.09	25.95	ND	ND	297.14	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	0.8 J	NA	NA	NA	NA	
	2/25/2013	323.09	27.13	ND	ND	295.96	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	
	6/6/2013	323.09	26.66	ND	ND	296.43	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(0.5)	NA	NA	NA	NA	
	6/18/2014	323.09	23.37	ND	ND	299.72	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/12/2015	323.09	28.85	ND	ND	294.24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/4/2015	323.09	39.72	ND	ND	283.37	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/2/2015	323.09	30.33	ND	ND	292.76	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/2/2015	323.09	30.80	ND	ND	292.29	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	323.09	28.67	ND	ND	294.42	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	323.09	26.21	ND	ND	296.88	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/18/2016	323.09	29.28	ND	ND	293.81	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	323.09	28.68	ND	ND	294.41	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	323.09	28.31	ND	ND	294.78	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	323.09	28.71	ND	ND	294.38	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	323.09	30.05	ND	ND	293.04	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	11/30/2017	323.09	30.65	ND	ND	292.44	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	323.09	29.70	ND	ND	293.39	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	323.09	27.77	ND	ND	295.32	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	323.09	25.28	ND	ND	297.81	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	323.09	23.50	ND	ND	299.59	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	323.09	21.94	ND	ND	301.15	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-6D(85)	5/30/2019	323.09	22.50	ND	ND	300.59	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	323.09	25.33	ND	ND	297.76	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	11/21/2019	323.09	26.46	ND	ND	296.63	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic							0	0	0	0	0	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-7	10/15/2009	327.96	31.21	ND	ND	296.75	2.7	ND(10)	ND(10)	ND(10)	10600	2650	232	ND(50)	217	Screened from 15-40'
	6/22/2010	327.96	28.00	ND	ND	299.96	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	87	NA	NA	NA	NA	
	9/30/2010	327.96	30.24	ND	ND	297.72	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(0.5)	NA	NA	NA	NA	
	12/16/2010	327.96	30.15	ND	ND	297.81	2	ND(1)	ND(2)	ND(2)	2100	NA	NA	NA	NA	
	2/17/2011	327.96	30.75	ND	ND	297.21	ND(10)	ND(14)	ND(16)	ND(16)	9700	NA	NA	NA	NA	
	5/24/2011	327.96	29.56	ND	ND	298.40	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	130	NA	NA	NA	NA	
	9/2/2011	327.96	32.21	ND	ND	295.75	11 J	ND(14)	ND(16)	ND(16)	16000	NA	NA	NA	NA	
	12/29/2011	327.96	30.24	ND	ND	297.72	ND(1)	ND(1)	ND(2)	ND(2)	1600	NA	NA	NA	NA	
	6/1/2012	327.96	30.74	ND	ND	297.22	ND(5)	ND(7)	ND(8)	ND(8)	6700	NA	NA	NA	NA	
	2/25/2013	327.96	32.23	ND	ND	295.73	ND(250)	ND(250)	ND(250)	ND(250)	61000	14000	1700	ND(250)	940	
	6/6/2013	327.96	31.49	ND	ND	296.47	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	950	NA	NA	NA	NA	
	12/18/2013	327.96	32.79	ND	ND	295.17	ND(250)	ND(250)	ND(250)	ND(250)	140000	29000	3000	ND(250)	1600	
	3/28/2014	327.96	30.35	ND	ND	297.61	ND(1)	ND(1)	ND(1)	ND(1)	430	ND(20)	13	ND(1)	6	
	6/20/2014	327.96	28.19	ND	ND	299.77	ND(1)	ND(1)	ND(1)	ND(1)	72	35	9	ND(1)	ND(1)	
	9/8/2014	327.96	37.53	ND	ND	290.43	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient volume to sample
	12/9/2014	327.96	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	327.96	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	327.96	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/1/2015	327.96	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/2/2015	327.96	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/12/2016	327.96	33.67	ND	ND	294.29	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	3/16/2016	327.96	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	327.96	31.80	ND	ND	296.16	ND(1)	ND(1)	ND(1)	ND(1)	15	ND(20)	ND(1)	ND(1)	ND(1)	
	8/16/2016	327.96	34.45	ND	ND	293.51	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient volume to sample
	12/14/2016	NSVD	34.81	ND	ND	NSVD	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/13/2017	328.75	34.53	ND	ND	294.22	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/22/2017	328.75	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	328.75	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-7	11/30/2017	328.75	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	328.75	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	328.75	38.02	ND	ND	290.73	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient volume to sample
	9/5/2018	328.75	31.59	ND	ND	297.16	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	328.75	30.29	ND	ND	298.46	ND(1)	ND(1)	ND(1)	ND(5)	4	ND(25)	ND(1)	ND(1)	ND(1)	
	3/14/2019	328.75	28.14	ND	ND	300.61	ND(1)	ND(1)	ND(1)	ND(5)	6	ND(25)	ND(1)	ND(1)	ND(1)	
	5/30/2019	328.75	28.84	ND	ND	299.91	ND(1)	ND(1)	ND(1)	ND(5)	2	ND(25)	ND(1)	ND(1)	ND(1)	
	9/17/2019	328.75	31.15	ND	ND	297.60	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	11/21/2019	328.75	32.40	ND	ND	296.35	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
Mann-Kendall Statistic							0	0	0	0	-6	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
SVE-2	3/25/2014	329.69	31.32	ND	ND	298.37	ND(1)	ND(1)	ND(1)	ND(1)	600	76	44	ND(1)	11	Screened from 25-45'
	6/19/2014	329.69	27.45	ND	ND	302.24	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/10/2014	329.69	30.79	ND	ND	298.90	ND(1)	ND(1)	ND(1)	ND(1)	8	ND(20)	3	ND(1)	ND(1)	
	12/9/2014	329.69	35.25	ND	ND	294.44	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	329.69	34.40	ND	ND	295.29	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	329.69	36.48	ND	ND	293.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2015	329.69	39.75	ND	ND	289.94	ND(1)	ND(1)	ND(1)	ND(1)	45	ND(20)	5	ND(1)	ND(1)	
	12/2/2015	329.64	40.46	ND	ND	289.18	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	329.64	37.96	ND	ND	291.68	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	329.64	32.82	ND	ND	296.82	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/17/2016	329.64	37.47	ND	ND	292.17	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	NSVD	36.66	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	331.12	36.51	ND	ND	294.61	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	331.12	37.77	ND	ND	293.35	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/29/2017	331.12	39.58	ND	ND	291.54	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	11/30/2017	331.12	40.22	ND	ND	290.90	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	331.12	39.48	ND	ND	291.64	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	331.12	37.43	ND	ND	293.69	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/6/2018	331.12	33.38	ND	ND	297.74	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	331.12	31.23	ND	ND	299.89	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	331.12	29.68	ND	ND	301.44	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	331.12	29.96	ND	ND	301.16	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	331.12	32.68	ND	ND	298.44	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	11/21/2019	331.12	34.08	ND	ND	297.04	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic							0	0	0	0	-3	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-9	10/15/2009	333.46	35.60	ND	ND	297.86	ND(1.0)	0.33	ND(1.0)	0.38	64.7	ND(25)	125	ND(5.0)	2.9	Screened from 25-45'
	6/22/2010	333.46	32.32	ND	ND	301.14	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	22	NA	NA	NA	NA	
	9/30/2010	333.46	34.85	ND	ND	298.61	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	52	NA	NA	NA	NA	
	12/16/2010	333.46	34.73	ND	ND	298.73	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	81	NA	NA	NA	NA	
	2/17/2011	333.46	35.28	ND	ND	298.18	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	48	NA	NA	NA	NA	
	5/24/2011	333.46	34.04	ND	ND	299.42	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	26	NA	NA	NA	NA	
	9/2/2011	333.46	36.86	ND	ND	296.60	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	80	NA	NA	NA	NA	
	12/29/2011	333.46	34.68	ND	ND	298.78	ND(0.5)	2 J	ND(0.8)	1 J	58	NA	NA	NA	NA	
	6/1/2012	333.46	35.17	ND	ND	298.29	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	190	NA	NA	NA	NA	
	2/25/2013	333.46	36.65	ND	ND	296.81	ND(5)	ND(5)	ND(5)	ND(5)	55	ND(80)	17	ND(5)	ND(5)	
	6/6/2013	333.46	35.98	ND	ND	297.48	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	20	NA	NA	NA	NA	
	12/18/2013	333.46	37.33	ND	ND	296.13	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	
	3/24/2014	333.46	34.67	ND	ND	298.79	ND(5)	ND(5)	ND(5)	ND(5)	12	ND(80)	6	ND(5)	ND(5)	
	6/19/2014	333.46	32.56	ND	ND	300.90	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/8/2014	333.46	35.91	ND	ND	297.55	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	333.46	40.12	ND	ND	293.34	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	333.46	40.65	ND	ND	292.81	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	333.46	39.21	ND	ND	294.25	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/1/2015	333.46	41.15	ND	ND	292.31	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient volume to sample
	12/2/2015	333.46	46.21	ND	ND	287.25	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	333.46	39.27	ND	ND	294.19	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	333.46	35.85	ND	ND	297.61	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/17/2016	333.46	38.85	ND	ND	294.61	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	3	ND(1)	ND(1)	
	12/13/2016	333.46	38.30	ND	ND	295.16	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	333.88	38.29	ND	ND	295.59	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	333.88	38.86	ND	ND	295.02	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/1/2017	333.88	40.64	ND	ND	293.24	ND(1)	ND(1)	ND(1)	ND(1)	5	ND(20)	ND(1)	ND(1)	ND(1)	
	11/30/2017	333.88	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-9	3/8/2018	333.88	40.37	ND	ND	293.51	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	333.88	38.43	ND	ND	295.45	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	333.88	34.91	ND	ND	298.97	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient volume to sample
	12/3/2018	333.88	32.76	ND	ND	301.12	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	333.88	31.26	ND	ND	302.62	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	333.88	31.57	ND	ND	302.31	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	333.88	34.26	ND	ND	299.62	ND(1)	ND(1)	ND(1)	ND(3)	1	ND(25)	ND(1)	ND(1)	ND(1)	
	11/21/2019	333.88	35.75	ND	ND	298.13	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic							N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-10	10/15/2009	324.17	28.77	ND	ND	295.40	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	10.3	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	Screened from 10-40'
	6/22/2010	324.17	25.80	ND	ND	298.37	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	4	NA	NA	NA	NA	
	12/16/2010	324.17	27.72	ND	ND	296.45	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	10	NA	NA	NA	NA	
	2/17/2011	324.17	28.05	ND	ND	296.12	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	7	NA	NA	NA	NA	
	5/24/2011	324.17	27.04	ND	ND	297.13	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	3 J	NA	NA	NA	NA	
	9/2/2011	324.17	29.60	ND	ND	294.57	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	8	NA	NA	NA	NA	
	12/29/2011	324.17	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	Well inaccessible
	6/1/2012	324.17	28.17	ND	ND	296.00	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	4 J	NA	NA	NA	NA	
	2/25/2013	324.17	29.45	ND	ND	294.72	ND(5)	ND(5)	ND(5)	ND(5)	7	ND(80)	ND(5)	ND(5)	ND(5)	
	6/6/2013	324.17	28.87	ND	ND	295.30	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(0.5)	NA	NA	NA	NA	
	12/18/2013	324.17	30.04	ND	ND	294.13	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	
	3/24/2014	324.17	27.24	ND	ND	296.93	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/18/2014	324.17	25.67	ND	ND	298.50	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	9/3/2014	324.17	28.02	ND	ND	296.15	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/9/2014	324.17	32.88	ND	ND	291.29	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	324.17	32.22	ND	ND	291.95	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	324.17	31.04	ND	ND	293.13	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/2/2015	324.17	33.51	ND	ND	290.66	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/2/2015	324.17	34.13	ND	ND	290.04	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	324.17	32.24	ND	ND	291.93	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	324.17	28.77	ND	ND	295.40	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/17/2016	324.17	31.88	ND	ND	292.29	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	324.17	30.97	ND	ND	293.20	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	324.17	30.61	ND	ND	293.56	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	324.17	31.27	ND	ND	292.90	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/29/2017	324.17	32.06	ND	ND	292.11	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	11/30/2017	324.17	33.57	ND	ND	290.60	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	324.17	32.45	ND	ND	291.72	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-10	6/4/2018	324.17	30.94	ND	ND	293.23	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/6/2018	324.17	28.28	ND	ND	295.89	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	324.17	27.17	ND	ND	297.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	324.17	24.76	ND	ND	299.41	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	324.17	24.83	ND	ND	299.34	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	324.17	27.58	ND	ND	296.59	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	11/21/2019	324.17	28.69	ND	ND	295.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic							0	0	0	0	-1	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-11	10/16/2009	329.64	NM	NM	NM	NM	15.3	ND(10)	ND(10)	10.9	38400	23300	1290	ND(50)	464	Screened from 10-40'
	6/22/2010	329.64	29.00	ND	ND	300.64	ND(50)	ND(70)	ND(80)	ND(80)	170000	NA	NA	NA	NA	
	9/30/2010	329.64	31.42	ND	ND	298.22	ND(50)	ND(70)	ND(80)	ND(80)	130000	NA	NA	NA	NA	
	12/16/2010	329.64	31.22	ND	ND	298.42	ND(25)	ND(35)	ND(40)	ND(40)	41000	NA	NA	NA	NA	
	2/17/2011	329.64	31.81	ND	ND	297.83	ND(10)	ND(14)	ND(16)	ND(16)	23000	NA	NA	NA	NA	
	5/24/2011	329.64	30.56	ND	ND	299.08	ND(13)	ND(18)	ND(20)	ND(20)	16000	NA	NA	NA	NA	
	9/2/2011	329.64	33.22	ND	ND	296.42	4 J	ND(4)	ND(4)	ND(4)	7400	NA	NA	NA	NA	
	12/29/2011	329.64	31.29	ND	ND	298.35	ND(10)	ND(14)	ND(16)	ND(16)	9000	NA	NA	NA	NA	
	6/1/2012	329.64	31.77	ND	ND	297.87	7 J	21 J	ND(8)	34 J	4200	NA	NA	NA	NA	
	2/25/2013	329.64	33.03	ND	ND	296.61	ND(10)	ND(10)	ND(10)	ND(10)	1400	180	530	ND(10)	22	
	6/6/2013	329.64	32.46	ND	ND	297.18	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	770	NA	NA	NA	NA	
	12/18/2013	329.64	33.91	ND	ND	295.73	ND(5)	ND(5)	ND(5)	7	140	ND(80)	130	ND(5)	ND(5)	
	3/24/2014	329.64	31.19	ND	ND	298.45	ND(5)	ND(5)	ND(5)	ND(5)	41	ND(80)	25	ND(5)	ND(5)	
	6/20/2014	329.64	28.93	ND	ND	300.71	ND(1)	ND(1)	ND(1)	ND(1)	27	ND(20)	6	ND(1)	ND(1)	
	9/10/2014	329.64	30.90	ND	ND	298.74	ND(1)	ND(1)	ND(1)	ND(1)	26	ND(20)	13	ND(1)	ND(1)	
	12/9/2014	329.64	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	329.64	36.52	ND	ND	293.12	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	329.64	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/1/2015	329.64	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/2/2015	329.64	38.85	ND	ND	290.79	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	329.64	38.18	ND	ND	291.46	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	329.64	32.72	ND	ND	296.92	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/18/2016	329.64	38.31	ND	ND	291.33	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	329.64	35.18	ND	ND	294.46	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	329.73	34.99	ND	ND	294.74	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	329.73	36.48	ND	ND	293.25	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/1/2017	329.73	38.59	ND	ND	291.14	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	11/30/2017	329.73	38.75	ND	ND	290.98	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-11	3/8/2018	329.73	37.98	ND	ND	291.75	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	329.73	36.04	ND	ND	293.69	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/6/2018	329.73	31.81	ND	ND	297.92	ND(1)	ND(1)	ND(1)	ND(5)	1	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	329.73	29.96	ND	ND	299.77	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	329.73	28.32	ND	ND	301.41	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	329.73	28.48	ND	ND	301.25	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/17/2019	329.73	31.40	ND	ND	298.33	ND(1)	ND(1)	ND(1)	ND(3)	4	ND(25)	ND(1)	ND(1)	ND(1)	
	11/21/2019	329.73	32.68	ND	ND	297.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic							0	0	0	0	5	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-12D(110)	5/24/2011	326.43	28.12	ND	ND	298.31	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(0.5)	NA	NA	NA	NA	Open from 100-160'
	9/2/2011	326.43	32.37	ND	ND	294.06	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(0.5)	NA	NA	NA	NA	
	12/22/2011	326.43	29.63	ND	ND	296.80	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(0.5)	NA	NA	NA	NA	
	6/1/2012	326.43	29.75	ND	ND	296.68	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(0.5)	NA	NA	NA	NA	
	2/25/2013	326.43	30.86	ND	ND	295.57	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	
	6/6/2013	326.43	30.59	ND	ND	295.84	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(0.5)	NA	NA	NA	NA	
	12/17/2013	326.43	31.51	ND	ND	294.92	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/24/2014	326.43	29.33	ND	ND	297.10	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/18/2014	326.43	25.98	ND	ND	300.45	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	9/2/2015	326.43	32.43	ND	ND	294.00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/16/2016	326.43	30.45	ND	ND	295.98	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	326.43	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/17/2016	326.43	31.64	ND	ND	294.79	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	326.43	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	326.43	34.36	ND	ND	292.07	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	326.43	32.80	ND	ND	293.63	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	326.43	34.04	ND	ND	292.39	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	11/30/2017	326.43	34.93	ND	ND	291.50	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	326.43	34.42	ND	ND	292.01	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	326.43	30.94	ND	ND	295.49	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/6/2018	326.43	28.50	ND	ND	297.93	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	326.43	25.07	ND	ND	301.36	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	326.43	23.18	ND	ND	303.25	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	326.43	24.33	ND	ND	302.10	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/17/2019	326.43	27.85	ND	ND	298.58	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	11/21/2019	326.43	30.55	ND	ND	295.88	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						0	0	0	0	0	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-15	9/2/2011	328.95	33.06	ND	ND	295.89	ND(0.5)	ND(0.7)	ND(0.8)	1 J	21000	NA	NA	NA	NA	Screened from 25-45'
	12/29/2011	328.95	31.10	ND	ND	297.85	ND(1)	ND(1)	ND(2)	ND(2)	1100	NA	NA	NA	NA	
	6/1/2012	328.95	31.64	ND	ND	297.31	ND(10)	ND(14)	ND(16)	ND(16)	14000	NA	NA	NA	NA	
	2/25/2013	328.95	33.10	ND	ND	295.85	ND(10)	ND(10)	ND(10)	ND(10)	1800	300	140	ND(10)	28	
	6/6/2013	328.95	32.32	ND	ND	296.63	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	120	NA	NA	NA	NA	
	12/18/2013	328.95	33.86	ND	ND	295.09	ND(10)	ND(10)	ND(10)	14	1700	260	210	ND(10)	27	
	3/25/2014	328.95	30.90	ND	ND	298.05	ND(5)	ND(5)	ND(5)	ND(5)	350	ND(80)	50	ND(5)	5	
	6/20/2014	328.95	28.74	ND	ND	300.21	ND(1)	ND(1)	ND(1)	ND(1)	42	ND(20)	17	ND(1)	ND(1)	
	9/10/2014	328.95	31.49	ND	ND	297.46	ND(1)	ND(1)	ND(1)	1	530	110	150	ND(1)	12	
	12/10/2014	328.95	38.19	ND	ND	290.76	ND(2)	ND(2)	ND(2)	5	2100	750	370	ND(2)	42	
	3/11/2015	328.95	36.23	ND	ND	292.72	ND(1)	ND(1)	ND(1)	ND(1)	63	ND(20)	21	ND(1)	ND(1)	
	6/3/2015	328.95	36.27	ND	ND	292.68	ND(1)	ND(1)	ND(1)	ND(1)	62	ND(20)	8	ND(1)	ND(1)	
	9/1/2015	328.95	40.62	ND	ND	288.33	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient volume to sample
	12/2/2015	328.95	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/17/2016	328.95	38.86	ND	ND	290.09	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	1	ND(1)	ND(1)	
	5/2/2016	328.95	32.38	ND	ND	296.57	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	8/16/2016	328.95	36.17	ND	ND	292.78	ND(1)	ND(1)	ND(1)	ND(1)	30	ND(20)	1	ND(1)	ND(1)	
	12/15/2016	328.95	34.84	ND	ND	294.11	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/16/2017	329.11	34.61	ND	ND	294.50	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/21/2017	329.11	34.91	ND	ND	294.20	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	8/29/2017	329.11	38.29	ND	ND	290.82	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	11/30/2017	329.11	38.89	ND	ND	290.22	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	3/8/2018	329.11	38.15	ND	ND	290.96	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	6/4/2018	329.11	36.11	ND	ND	293.00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	9/5/2018	329.11	31.31	ND	ND	297.80	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	329.11	29.38	ND	ND	299.73	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	3/14/2019	329.11	27.97	ND	ND	301.14	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	5/30/2019	329.11	28.11	ND	ND	301.00	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-15	9/16/2019	329.11	30.83	ND	ND	298.28	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	11/21/2019	329.11	32.31	ND	ND	296.80	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
Mann-Kendall Statistic							0	0	0	0	-41	0	-26	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-16D(95)	6/1/2012	332.90	35.33	ND	ND	297.57	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	140	NA	NA	NA	NA	Abandoned to 110' (April 2011)
	2/25/2013	332.90	36.83	ND	ND	296.07	ND(100)	ND(100)	ND(100)	ND(100)	9800	ND(1600)	360	ND(100)	200	Open from 85-110'
	6/6/2013	332.90	36.15	ND	ND	296.75	18 J	ND(7)	ND(8)	ND(8)	11000	NA	NA	NA	NA	
	12/19/2013	332.90	37.13	ND	ND	295.77	ND(130)	ND(130)	ND(130)	ND(130)	19000	2800	770	ND(130)	390	
	3/25/2014	332.90	34.64	ND	ND	298.26	25	ND(25)	ND(25)	ND(25)	14000	2000	520	ND(25)	300	
	6/19/2014	332.90	32.75	ND	ND	300.15	28	ND(20)	ND(20)	ND(20)	13000	1100	660	ND(20)	280	
	9/3/2014	332.90	36.14	ND	ND	296.76	6	ND(5)	ND(5)	ND(5)	3600	450	140	ND(5)	69	
	12/9/2014	332.90	40.36	ND	ND	292.54	ND(5)	ND(5)	ND(5)	ND(5)	2100	ND(100)	29	ND(5)	19	
	3/9/2015	332.90	NM	NM	NM	NM	ND(2)	ND(2)	ND(2)	ND(2)	1300	290	67	ND(2)	17	
	6/1/2015	332.90	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	610	34	47	ND(1)	9	
	8/17/2015	332.90	NM	NM	NM	NM	ND(2)	ND(2)	ND(2)	ND(2)	450	NA	NA	NA	NA	
	8/31/2015	332.90	44.79	ND	ND	288.11	ND(1)	ND(1)	ND(1)	ND(1)	300	23	26	ND(1)	4	
	12/1/2015	332.90	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	490	35	21	ND(1)	7	
	2/12/2016	332.90	37.98	ND	ND	294.92	ND(1)	ND(1)	ND(1)	ND(1)	81	ND(20)	4	ND(1)	ND(1)	
	3/17/2016	332.90	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	39	ND(20)	1	ND(1)	1	
	5/6/2016	332.90	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	200	ND(20)	8	ND(1)	3	
	8/16/2016	332.90	38.25	ND	ND	294.65	ND(1)	ND(1)	ND(1)	ND(1)	19	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	332.90	38.48	ND	ND	294.42	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	332.27	37.25	ND	ND	295.02	ND(1)	ND(1)	ND(1)	ND(1)	4	ND(20)	ND(1)	ND(1)	ND(1)	
	6/21/2017	332.27	37.91	ND	ND	294.36	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	9/1/2017	332.27	40.00	ND	ND	292.27	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/1/2017	332.27	40.44	ND	ND	291.83	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	3/8/2018	332.27	39.62	ND	ND	292.65	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/4/2018	332.27	37.87	ND	ND	294.40	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	9/6/2018	332.27	34.24	ND	ND	298.03	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	332.27	32.20	ND	ND	300.07	ND(1)	ND(1)	ND(1)	ND(5)	2	ND(25)	ND(1)	ND(1)	ND(1)	
	3/14/2019	332.27	30.65	ND	ND	301.62	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	5/31/2019	332.27	30.72	ND	ND	301.55	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-16D(95)	9/16/2019	332.27	33.74	ND	ND	298.53	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	11/21/2019	332.27	35.10	ND	ND	297.17	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
Mann-Kendall Statistic							0	0	0	0	-62	0	-25	0	-25	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-17D(75)	4/25/2014	328.84	30.77	ND	ND	298.07	ND(100)	ND(100)	ND(100)	ND(100)	120000	39000	2000	ND(100)	1900	CMT
	6/11/2014	328.84	29.81	ND	ND	299.03	ND(1)	ND(1)	ND(1)	ND(1)	20	ND(20)	2	ND(1)	ND(1)	
	9/2/2014	328.84	31.70	ND	ND	297.14	ND(1)	ND(1)	ND(1)	ND(1)	190	ND(20)	31	ND(1)	2	
	12/8/2014	328.84	49.65	ND	ND	279.19	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	328.84	NM	NM	NM	NM	21	ND(20)	ND(20)	ND(20)	37000	8300	860	ND(20)	600	
	3/9/2015	328.84	42.23	ND	ND	286.61	ND(20)	ND(20)	ND(20)	ND(20)	23000	4900	300	ND(20)	210	
	6/1/2015	328.84	35.71	ND	ND	293.13	ND(1)	ND(1)	ND(1)	ND(1)	200	ND(20)	21	ND(1)	4	
	8/31/2015	328.84	36.89	ND	ND	291.95	ND(10)	ND(10)	ND(10)	ND(10)	13000	3400	400	ND(10)	280	
	12/29/2015	328.84	44.73	ND	ND	284.11	ND(10)	ND(10)	ND(10)	ND(10)	7100	1200	190	ND(10)	120	
	3/17/2016	328.84	48.50	ND	ND	280.34	4	ND(1)	ND(1)	ND(1)	6400	970	180	ND(1)	110	
	4/29/2016	328.84	33.00	ND	ND	295.84	13	ND(10)	ND(10)	ND(10)	37000	7700	700	ND(10)	510	
	8/16/2016	328.84	37.84	ND	ND	291.00	ND(10)	ND(10)	ND(10)	ND(10)	3800	650	110	ND(10)	55	
	12/13/2016	328.84	35.24	ND	ND	293.60	ND(50)	ND(50)	ND(50)	ND(50)	32000	6100	560	ND(50)	420	
	3/13/2017	328.99	34.97	ND	ND	294.02	ND(50)	ND(50)	ND(50)	ND(50)	27000	7400	580	ND(50)	340	
	6/21/2017	328.99	36.85	ND	ND	292.14	ND(10)	ND(10)	ND(10)	ND(10)	9900	1400	250	ND(10)	150	
	8/28/2017	328.99	42.70	ND	ND	286.29	2	ND(2)	ND(2)	ND(2)	4000	480	110	ND(2)	62	
	11/30/2017	328.99	42.20	ND	ND	286.79	ND(2)	ND(2)	ND(2)	ND(2)	3200	430	93	ND(2)	45	
	3/8/2018	328.99	41.47	ND	ND	287.52	ND(2)	ND(2)	ND(2)	ND(2)	2100	310	64	ND(2)	34	
	6/4/2018	328.99	39.02	ND	ND	289.97	ND(5)	ND(5)	ND(5)	ND(5)	2100	370	56	ND(5)	25	
	9/5/2018	328.99	32.29	ND	ND	296.70	ND(25)	ND(25)	ND(25)	ND(130)	13000	2500	320	ND(25)	200	
	12/3/2018	328.99	30.23	ND	ND	298.76	ND(20)	ND(20)	ND(20)	ND(100)	16000	3400	420	ND(20)	180	
	3/14/2019	328.99	28.78	ND	ND	300.21	ND(20)	ND(20)	ND(20)	ND(100)	19000	3400	430	ND(20)	220	
	5/30/2019	328.99	28.88	ND	ND	300.11	ND(25)	ND(25)	ND(25)	ND(130)	14000	3000	340	ND(25)	200	
	9/13/2019	328.99	31.95	ND	ND	297.04	ND(20)	ND(20)	ND(20)	ND(60)	15000	3300	380	ND(20)	220	
	11/21/2019	328.99	33.01	ND	ND	295.98	ND(20)	ND(20)	ND(20)	ND(60)	16000	3800	320	ND(20)	200	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						-32	0	0	0	0	3	-6	0	-2	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-17D(81)	4/25/2014	328.84	28.89	ND	ND	299.95	ND(100)	ND(100)	ND(100)	ND(100)	92000	23000	1700	ND(100)	1400	CMT
	6/11/2014	328.84	30.72	ND	ND	298.12	ND(10)	ND(10)	ND(10)	ND(10)	5000	1800	70	ND(10)	60	
	9/2/2014	328.84	31.13	ND	ND	297.71	ND(1)	ND(1)	ND(1)	ND(1)	10	ND(20)	2	ND(1)	ND(1)	
	12/8/2014	328.84	50.40	ND	ND	278.44	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	328.84	NM	NM	NM	NM	ND(10)	ND(10)	ND(10)	ND(10)	5900	2800	89	ND(10)	73	
	3/9/2015	328.84	42.25	ND	ND	286.59	ND(1)	ND(1)	ND(1)	ND(1)	14	ND(20)	2	ND(1)	ND(1)	
	6/1/2015	328.84	35.58	ND	ND	293.26	ND(5)	ND(5)	ND(5)	ND(5)	2600	400	88	ND(5)	44	
	8/31/2015	328.84	36.62	ND	ND	292.22	3	ND(2)	ND(2)	ND(2)	790	150	41	ND(2)	18	
	12/29/2015	328.84	44.94	ND	ND	283.90	ND(5)	ND(5)	ND(5)	ND(5)	2500	430	62	ND(5)	43	
	3/17/2016	328.84	49.35	ND	ND	279.49	1	ND(1)	ND(1)	ND(1)	2700	300	84	ND(1)	48	
	4/29/2016	328.84	32.77	ND	ND	296.07	ND(10)	ND(10)	ND(10)	ND(10)	12000	1900	310	ND(10)	170	
	8/16/2016	328.84	38.02	ND	ND	290.82	ND(5)	ND(5)	ND(5)	ND(5)	1800	290	49	ND(5)	25	
	12/13/2016	328.84	35.25	ND	ND	293.59	ND(20)	ND(20)	ND(20)	ND(20)	17000	3000	300	ND(20)	240	
	3/13/2017	328.99	34.97	ND	ND	294.02	ND(20)	ND(20)	ND(20)	ND(20)	30000	7900	600	ND(20)	370	
	6/21/2017	328.99	36.65	ND	ND	292.34	ND(5)	ND(5)	ND(5)	ND(5)	5400	730	130	ND(5)	79	
	8/28/2017	328.99	43.07	ND	ND	285.92	ND(2)	ND(2)	ND(2)	ND(2)	2300	240	70	ND(2)	35	
	11/30/2017	328.99	42.68	ND	ND	286.31	ND(2)	ND(2)	ND(2)	ND(2)	2200	290	66	ND(2)	31	
	3/8/2018	328.99	42.30	ND	ND	286.69	ND(1)	ND(1)	ND(1)	ND(1)	830	190	13	ND(1)	10	
	6/4/2018	328.99	39.47	ND	ND	289.52	ND(2)	ND(2)	ND(2)	ND(2)	1400	160	38	ND(2)	15	
	9/5/2018	328.99	32.26	ND	ND	296.73	ND(20)	ND(20)	ND(20)	ND(20)	6500	1200	170	ND(20)	110	
	12/3/2018	328.99	30.26	ND	ND	298.73	ND(20)	ND(20)	ND(20)	ND(20)	7500	1300	200	ND(20)	89	
	3/14/2019	328.99	28.00	ND	ND	300.99	ND(10)	ND(10)	ND(10)	ND(10)	6100	910	140	ND(10)	72	
	5/30/2019	328.99	28.92	ND	ND	300.07	ND(20)	ND(20)	ND(20)	ND(20)	10000	2000	250	ND(20)	150	
	9/13/2019	328.99	30.87	ND	ND	298.12	ND(10)	ND(10)	ND(10)	ND(30)	9200	1900	240	ND(10)	140	
	11/21/2019	328.99	33.00	ND	ND	295.99	ND(20)	ND(20)	ND(20)	ND(60)	14000	2600	350	ND(20)	180	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						-15	0	0	0	16	16	16	0	12	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-17D(87.75)	4/25/2014	328.84	30.93	ND	ND	297.91	ND(50)	ND(50)	ND(50)	ND(50)	40000	11000	700	ND(50)	620	CMT
	6/11/2014	328.84	29.96	ND	ND	298.88	ND(25)	ND(25)	ND(25)	ND(25)	12000	2600	240	ND(25)	170	
	9/2/2014	328.84	31.57	ND	ND	297.27	ND(1)	ND(1)	ND(1)	ND(1)	250	61	6	ND(1)	3	
	12/8/2014	328.84	34.62	ND	ND	294.22	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	328.84	NM	NM	NM	NM	ND(20)	ND(20)	ND(20)	ND(20)	25000	1200	360	ND(20)	290	
	3/9/2015	328.84	36.27	ND	ND	292.57	ND(1)	ND(1)	ND(1)	ND(1)	80	21	3	ND(1)	ND(1)	
	6/1/2015	328.84	35.16	ND	ND	293.68	2	ND(1)	ND(1)	ND(1)	630	57	31	ND(1)	11	
	8/31/2015	328.84	36.20	ND	ND	292.64	ND(20)	ND(20)	ND(20)	ND(20)	7200	ND(400)	120	ND(20)	77	
	12/29/2015	328.84	34.65	ND	ND	294.19	ND(2)	ND(2)	ND(2)	ND(2)	1700	190	52	ND(2)	32	
	3/17/2016	328.84	38.21	ND	ND	290.63	ND(1)	ND(1)	ND(1)	ND(1)	27	ND(20)	3	ND(1)	ND(1)	
	4/29/2016	328.84	32.98	ND	ND	295.86	ND(1)	ND(1)	ND(1)	ND(1)	150	ND(20)	7	ND(1)	1	
	8/16/2016	328.84	35.22	ND	ND	293.62	ND(1)	ND(1)	ND(1)	ND(1)	17	ND(20)	1	ND(1)	ND(1)	
	12/13/2016	328.84	35.29	ND	ND	293.55	ND(1)	ND(1)	ND(1)	ND(1)	180	ND(20)	6	ND(1)	2	
	3/13/2017	328.99	35.01	ND	ND	293.98	ND(1)	ND(1)	ND(1)	ND(1)	190	ND(20)	6	ND(1)	2	
	6/21/2017	328.99	35.23	ND	ND	293.76	ND(1)	ND(1)	ND(1)	ND(1)	32	ND(20)	4	ND(1)	ND(1)	
	8/28/2017	328.99	38.34	ND	ND	290.65	ND(1)	ND(1)	ND(1)	ND(1)	4	ND(20)	ND(1)	ND(1)	ND(1)	
	11/30/2017	328.99	38.75	ND	ND	290.24	ND(1)	ND(1)	ND(1)	ND(1)	8	ND(20)	ND(1)	ND(1)	ND(1)	
	3/8/2018	328.99	37.71	ND	ND	291.28	ND(1)	ND(1)	ND(1)	ND(1)	4	ND(20)	ND(1)	ND(1)	ND(1)	
	6/4/2018	328.99	36.31	ND	ND	292.68	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	9/5/2018	328.99	32.40	ND	ND	296.59	ND(1)	ND(1)	ND(1)	ND(5)	16	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	328.99	30.32	ND	ND	298.67	ND(1)	ND(1)	ND(1)	ND(5)	52	ND(25)	3	ND(1)	ND(1)	
	3/14/2019	328.99	28.91	ND	ND	300.08	ND(1)	ND(1)	ND(1)	ND(5)	29	ND(25)	1	ND(1)	ND(1)	
	5/30/2019	328.99	29.02	ND	ND	299.97	ND(1)	ND(1)	ND(1)	ND(5)	32	ND(25)	1	ND(1)	ND(1)	
	9/13/2019	328.99	31.82	ND	ND	297.17	ND(1)	ND(1)	ND(1)	ND(3)	31	ND(25)	1	ND(1)	ND(1)	
	11/21/2019	328.99	33.04	ND	ND	295.95	ND(1)	ND(1)	ND(1)	ND(3)	28	ND(25)	1	ND(1)	ND(1)	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						0	0	0	0	-12	0	-32	0	-27	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-17D(92)	4/25/2014	328.84	30.94	ND	ND	297.90	ND(25)	ND(25)	ND(25)	ND(25)	15000	3200	370	ND(25)	270	CMT
	6/10/2014	328.84	29.95	ND	ND	298.89	ND(10)	ND(10)	ND(10)	ND(10)	11000	2200	320	ND(10)	200	
	9/2/2014	328.84	32.84	ND	ND	296.00	ND(10)	ND(10)	ND(10)	ND(10)	11000	3300	200	ND(10)	130	
	12/8/2014	328.84	37.26	ND	ND	291.58	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	328.84	NM	NM	NM	NM	ND(20)	ND(20)	ND(20)	ND(20)	32000	12000	600	ND(20)	390	
	3/9/2015	328.84	37.04	ND	ND	291.80	ND(3)	ND(3)	ND(3)	ND(3)	620	220	16	ND(3)	8	
	6/1/2015	328.84	35.00	ND	ND	293.84	ND(50)	ND(50)	ND(50)	ND(50)	17000	3700	410	ND(50)	200	
	8/31/2015	328.84	36.01	ND	ND	292.83	ND(10)	ND(10)	ND(10)	ND(10)	8100	200	140	ND(10)	95	
	12/29/2015	328.84	38.96	ND	ND	289.88	ND(1)	ND(1)	ND(1)	ND(1)	85	ND(20)	5	ND(1)	2	
	3/17/2016	328.84	37.92	ND	ND	290.92	ND(1)	ND(1)	ND(1)	ND(1)	5	ND(20)	ND(1)	ND(1)	ND(1)	
	4/29/2016	328.84	33.10	ND	ND	295.74	ND(1)	ND(1)	ND(1)	ND(1)	13	ND(20)	ND(1)	ND(1)	ND(1)	
	8/16/2016	328.84	35.78	ND	ND	293.06	ND(1)	ND(1)	ND(1)	ND(1)	5	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	328.84	35.07	ND	ND	293.77	ND(1)	ND(1)	ND(1)	ND(1)	28	ND(20)	ND(1)	ND(1)	ND(1)	
	3/13/2017	328.99	34.96	ND	ND	294.03	ND(1)	ND(1)	ND(1)	ND(1)	18	ND(20)	ND(1)	ND(1)	ND(1)	
	6/21/2017	328.99	35.52	ND	ND	293.47	ND(1)	ND(1)	ND(1)	ND(1)	9	ND(20)	ND(1)	ND(1)	ND(1)	
	8/28/2017	328.99	38.41	ND	ND	290.58	ND(1)	ND(1)	ND(1)	ND(1)	3	ND(20)	ND(1)	ND(1)	ND(1)	
	11/30/2017	328.99	38.55	ND	ND	290.44	ND(1)	ND(1)	ND(1)	ND(1)	6	ND(20)	ND(1)	ND(1)	ND(1)	
	3/8/2018	328.99	37.77	ND	ND	291.22	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	6/4/2018	328.99	36.32	ND	ND	292.67	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	9/5/2018	328.99	32.37	ND	ND	296.62	ND(1)	ND(1)	ND(1)	ND(5)	7	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	328.99	30.33	ND	ND	298.66	ND(1)	ND(1)	ND(1)	ND(5)	15	ND(25)	ND(1)	ND(1)	ND(1)	
	3/14/2019	328.99	28.93	ND	ND	300.06	ND(1)	ND(1)	ND(1)	ND(5)	10	ND(25)	ND(1)	ND(1)	ND(1)	
	5/30/2019	328.99	29.00	ND	ND	299.99	ND(1)	ND(1)	ND(1)	ND(5)	6	ND(25)	ND(1)	ND(1)	ND(1)	
	9/13/2019	328.99	31.78	ND	ND	297.21	ND(1)	ND(1)	ND(1)	ND(3)	6	ND(25)	ND(1)	ND(1)	ND(1)	
	11/21/2019	328.99	33.02	ND	ND	295.97	ND(1)	ND(1)	ND(1)	ND(3)	6	ND(25)	ND(1)	ND(1)	ND(1)	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						0	0	0	0	-12	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-17D(117)	4/25/2014	328.84	31.35	ND	ND	297.49	ND(100)	ND(100)	ND(100)	ND(100)	120000	31000	2300	ND(100)	1800	CMT
	6/10/2014	328.84	30.58	ND	ND	298.26	ND(50)	ND(50)	ND(50)	ND(50)	54000	14000	1000	ND(50)	740	
	9/3/2014	328.84	32.99	ND	ND	295.85	ND(50)	ND(50)	ND(50)	ND(50)	23000	5500	450	ND(50)	300	
	12/8/2014	328.84	38.28	ND	ND	290.56	ND(5)	ND(5)	ND(5)	ND(5)	5000	1400	130	ND(5)	76	
	3/10/2015	328.84	37.65	ND	ND	291.19	ND(20)	ND(20)	ND(20)	ND(20)	8700	3300	350	ND(20)	120	
	6/2/2015	328.84	35.72	ND	ND	293.12	ND(50)	ND(50)	ND(50)	ND(50)	19000	2900	500	ND(50)	230	
	9/1/2015	328.84	36.70	ND	ND	292.14	ND(10)	ND(10)	ND(10)	ND(10)	9400	2400	290	ND(10)	160	
	12/29/2015	328.84	38.68	ND	ND	290.16	ND(10)	ND(10)	ND(10)	ND(10)	5800	1600	170	ND(10)	120	
	3/17/2016	328.84	37.48	ND	ND	291.36	ND(5)	ND(5)	ND(5)	ND(5)	4200	1100	100	ND(5)	74	
	4/29/2016	328.84	33.57	ND	ND	295.27	ND(5)	ND(5)	ND(5)	ND(5)	3500	590	79	ND(5)	43	
	8/16/2016	328.84	35.76	ND	ND	293.08	ND(5)	ND(5)	ND(5)	ND(5)	3300	660	95	ND(5)	55	
	12/13/2016	328.84	35.79	ND	ND	293.05	ND(2)	ND(2)	ND(2)	ND(2)	1000	150	17	ND(2)	14	
	3/13/2017	328.99	35.46	ND	ND	293.53	ND(2)	ND(2)	ND(2)	ND(2)	720	160	20	ND(2)	12	
	6/21/2017	328.99	35.45	ND	ND	293.54	ND(1)	ND(1)	ND(1)	ND(1)	790	110	20	ND(1)	13	
	8/28/2017	328.99	38.09	ND	ND	290.90	2	ND(1)	ND(1)	ND(1)	1100	190	50	ND(1)	25	
	11/30/2017	328.99	38.56	ND	ND	290.43	ND(2)	ND(2)	ND(2)	ND(2)	1800	390	46	ND(2)	25	
	3/8/2018	328.99	37.64	ND	ND	291.35	ND(2)	ND(2)	ND(2)	ND(2)	1700	370	67	ND(2)	36	
	6/4/2018	328.99	36.03	ND	ND	292.96	ND(2)	ND(2)	ND(2)	ND(2)	1100	290	38	ND(2)	18	
	9/5/2018	328.99	33.03	ND	ND	295.96	ND(2)	ND(2)	ND(2)	ND(10)	810	120	34	ND(2)	16	
	12/3/2018	328.99	31.21	ND	ND	297.78	1	ND(1)	ND(1)	ND(5)	820	77	67	ND(1)	19	
	3/14/2019	328.99	29.83	ND	ND	299.16	ND(1)	ND(1)	ND(1)	ND(5)	310	45	15	ND(1)	6	
	5/30/2019	328.99	29.94	ND	ND	299.05	ND(1)	ND(1)	ND(1)	ND(5)	270	47	11	ND(1)	5	
	9/13/2019	328.99	32.12	ND	ND	296.87	ND(1)	ND(1)	ND(1)	ND(3)	200	38	8	ND(1)	3	
	11/21/2019	328.99	33.66	ND	ND	295.33	ND(5)	ND(5)	ND(5)	ND(15)	220	ND(130)	6	ND(5)	ND(5)	
Mann-Kendall Statistic							3	0	0	0	-77	-82	-64	0	-71	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-17D(129.75)	4/25/2014	328.84	32.77	ND	ND	296.07	ND(100)	ND(100)	ND(100)	ND(100)	120000	30000	2300	ND(100)	1800	CMT
	6/10/2014	328.84	31.59	ND	ND	297.25	ND(50)	ND(50)	ND(50)	ND(50)	49000	17000	830	ND(50)	690	
	9/3/2014	328.84	33.61	ND	ND	295.23	ND(100)	ND(100)	ND(100)	ND(100)	80000	23000	1400	ND(100)	990	
	12/8/2014	328.84	38.10	ND	ND	290.74	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	328.84	NM	NM	NM	NM	ND(50)	ND(50)	ND(50)	ND(50)	69000	21000	1500	ND(50)	1000	
	3/10/2015	328.84	43.87	ND	ND	284.97	ND(10)	ND(10)	ND(10)	ND(10)	12000	3300	360	ND(10)	180	
	6/2/2015	328.84	35.96	ND	ND	292.88	ND(100)	ND(100)	ND(100)	ND(100)	64000	9500	1300	ND(100)	790	
	8/31/2015	328.84	36.95	ND	ND	291.89	ND(100)	ND(100)	ND(100)	ND(100)	49000	15000	910	ND(100)	660	
	12/29/2015	328.84	38.24	ND	ND	290.60	ND(50)	ND(50)	ND(50)	ND(50)	18000	7000	320	ND(50)	320	
	3/17/2016	328.84	37.41	ND	ND	291.43	ND(5)	ND(5)	ND(5)	ND(5)	5600	600	97	ND(5)	73	
	4/29/2016	328.84	34.25	ND	ND	294.59	ND(2)	ND(2)	ND(2)	ND(2)	2100	290	42	ND(2)	24	
	8/16/2016	328.84	36.61	ND	ND	292.23	ND(2)	ND(2)	ND(2)	ND(2)	2200	450	61	ND(2)	37	
	12/13/2016	328.84	36.16	ND	ND	292.68	ND(2)	ND(2)	ND(2)	ND(2)	2000	480	37	ND(2)	35	
	3/13/2017	328.99	35.96	ND	ND	293.03	ND(2)	ND(2)	ND(2)	ND(2)	1700	360	45	ND(2)	28	
	6/21/2017	328.99	35.91	ND	ND	293.08	ND(5)	ND(5)	ND(5)	ND(5)	2900	410	68	ND(5)	40	
	8/28/2017	328.99	38.13	ND	ND	290.86	2	ND(2)	ND(2)	ND(2)	4300	730	140	ND(2)	80	
	11/30/2017	328.99	38.54	ND	ND	290.45	ND(5)	ND(5)	ND(5)	ND(5)	2900	660	58	ND(5)	40	
	3/8/2018	328.99	37.70	ND	ND	291.29	ND(5)	ND(5)	ND(5)	ND(5)	3500	720	100	ND(5)	62	
	6/4/2018	328.99	36.26	ND	ND	292.73	ND(5)	ND(5)	ND(5)	ND(5)	2200	640	43	ND(5)	27	
	9/5/2018	328.99	33.60	ND	ND	295.39	ND(2)	ND(2)	ND(2)	ND(10)	1600	500	37	ND(2)	30	
	12/3/2018	328.99	31.88	ND	ND	297.11	ND(5)	ND(5)	ND(5)	ND(25)	1900	550	37	ND(5)	21	
	3/14/2019	328.99	30.68	ND	ND	298.31	ND(5)	ND(5)	ND(5)	ND(25)	2200	520	41	ND(5)	25	
	5/30/2019	328.99	30.35	ND	ND	298.64	ND(2)	ND(2)	ND(2)	ND(10)	1300	520	20	ND(2)	19	
	9/13/2019	328.99	33.18	ND	ND	295.81	ND(2)	ND(2)	ND(2)	ND(6)	1700	500	40	ND(2)	27	
	11/21/2019	328.99	32.29	ND	ND	296.70	ND(2)	ND(2)	ND(2)	ND(6)	1500	320	55	ND(2)	26	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						-3	0	0	0	-49	2	-35	0	-44	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-17D(147)	4/25/2014	328.84	33.41	ND	ND	295.43	ND(100)	ND(100)	ND(100)	ND(100)	98000	30000	2000	ND(100)	1500	CMT
	6/11/2014	328.84	31.96	ND	ND	296.88	ND(100)	ND(100)	ND(100)	ND(100)	82000	22000	1500	ND(100)	1200	
	9/3/2014	328.84	33.92	ND	ND	294.92	6	ND(1)	ND(1)	ND(1)	55000	16000	790	ND(1)	570	
	12/8/2014	328.84	37.99	ND	ND	290.85	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	328.84	NM	NM	NM	NM	ND(50)	ND(50)	ND(50)	ND(50)	70000	21000	1500	ND(50)	1000	
	3/10/2015	328.84	49.26	ND	ND	279.58	ND(50)	ND(50)	ND(50)	ND(50)	25000	9500	470	ND(50)	280	
	6/2/2015	328.84	35.87	ND	ND	292.97	ND(100)	ND(100)	ND(100)	ND(100)	56000	11000	960	ND(100)	650	
	9/1/2015	328.84	36.92	ND	ND	291.92	ND(50)	ND(50)	ND(50)	ND(50)	43000	13000	900	ND(50)	630	
	12/29/2015	328.84	37.52	ND	ND	291.32	ND(20)	ND(20)	ND(20)	ND(20)	13000	5400	170	ND(20)	230	
	3/17/2016	328.84	37.29	ND	ND	291.55	ND(1)	ND(1)	ND(1)	ND(1)	2600	3300	58	ND(1)	57	
	4/29/2016	328.84	34.26	ND	ND	294.58	ND(10)	ND(10)	ND(10)	ND(10)	3700	2400	41	ND(10)	44	
	8/16/2016	328.84	36.43	ND	ND	292.41	ND(1)	ND(1)	ND(1)	ND(1)	1100	2400	10	ND(1)	14	
	12/13/2016	328.84	36.38	ND	ND	292.46	ND(2)	ND(2)	ND(2)	ND(2)	3900	2000	49	ND(2)	64	
	3/13/2017	328.99	36.12	ND	ND	292.87	ND(5)	ND(5)	ND(5)	ND(5)	3000	1400	59	ND(5)	43	
	6/21/2017	328.99	36.08	ND	ND	292.91	ND(10)	ND(10)	ND(10)	ND(10)	7800	1400	170	ND(10)	98	
	8/28/2017	328.99	38.12	ND	ND	290.87	ND(1)	ND(1)	ND(1)	ND(1)	1600	1200	52	ND(1)	37	
	11/30/2017	328.99	38.44	ND	ND	290.55	ND(2)	ND(2)	ND(2)	ND(2)	2100	1400	47	ND(2)	39	
	3/8/2018	328.99	37.55	ND	ND	291.44	ND(10)	ND(10)	ND(10)	ND(10)	4600	1000	160	ND(10)	92	
	6/4/2018	328.99	36.18	ND	ND	292.81	ND(5)	ND(5)	ND(5)	ND(5)	2600	1000	47	ND(5)	37	
	9/5/2018	328.99	33.86	ND	ND	295.13	ND(5)	ND(5)	ND(5)	ND(25)	4400	650	170	ND(5)	95	
	12/3/2018	328.99	32.23	ND	ND	296.76	ND(5)	ND(5)	ND(5)	ND(25)	2700	890	73	ND(5)	38	
	3/14/2019	328.99	30.97	ND	ND	298.02	ND(5)	ND(5)	ND(5)	ND(25)	2300	500	65	ND(5)	34	
	5/30/2019	328.99	31.17	ND	ND	297.82	ND(5)	ND(5)	ND(5)	ND(25)	2700	510	110	ND(5)	57	
	9/13/2019	328.99	30.72	ND	ND	298.27	ND(5)	ND(5)	ND(5)	ND(15)	2500	450	110	ND(5)	60	
	11/21/2019	328.99	34.50	ND	ND	294.49	ND(5)	ND(5)	ND(5)	ND(15)	2000	590	45	ND(5)	30	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						0	0	0	0	-14	-103	27	0	-14	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-18D	5/10/2013	334.88	40.57	ND	ND	294.31	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	Open from 97-136'
	6/6/2013	334.88	40.69	ND	ND	294.19	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(0.5)	NA	NA	NA	NA	
	12/18/2013	334.88	41.60	ND	ND	293.28	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/24/2014	334.88	38.94	ND	ND	295.94	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/18/2014	334.88	36.04	ND	ND	298.84	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	9/3/2014	334.88	38.14	ND	ND	296.74	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/9/2014	334.88	42.23	ND	ND	292.65	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	334.88	42.19	ND	ND	292.69	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	334.88	40.72	ND	ND	294.16	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/2/2015	334.88	42.77	ND	ND	292.11	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/2/2015	334.88	43.90	ND	ND	290.98	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	334.88	41.29	ND	ND	293.59	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	334.88	39.45	ND	ND	295.43	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/17/2016	334.88	41.24	ND	ND	293.64	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	334.88	42.47	ND	ND	292.41	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	334.88	42.57	ND	ND	292.31	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	334.88	42.06	ND	ND	292.82	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/29/2017	334.88	43.39	ND	ND	291.49	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	11/30/2017	334.88	44.12	ND	ND	290.76	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	334.88	43.70	ND	ND	291.18	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	334.88	41.96	ND	ND	292.92	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	334.88	38.83	ND	ND	296.05	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	334.88	36.77	ND	ND	298.11	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	334.88	34.70	ND	ND	300.18	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	334.88	34.94	ND	ND	299.94	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/17/2019	334.88	38.10	ND	ND	296.78	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	11/21/2019	334.88	39.60	ND	ND	295.28	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						0	0	0	0	0	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-19D	3/28/2014	341.91	43.16	ND	ND	298.75	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	6/20/2014	341.91	41.11	ND	ND	300.80	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	9/4/2014	341.91	43.36	ND	ND	298.55	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	12/9/2014	341.91	47.56	ND	ND	294.35	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/12/2015	341.91	48.76	ND	ND	293.15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/4/2015	341.91	47.39	ND	ND	294.52	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/2/2015	341.91	49.27	ND	ND	292.64	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	12/2/2015	341.91	50.59	ND	ND	291.32	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/16/2016	341.91	47.40	ND	ND	294.51	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/2/2016	341.91	44.21	ND	ND	297.70	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/19/2016	341.91	47.35	ND	ND	294.56	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	12/13/2016	341.91	46.78	ND	ND	295.13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/13/2017	341.91	46.51	ND	ND	295.40	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/22/2017	341.91	47.23	ND	ND	294.68	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/28/2017	341.91	48.84	ND	ND	293.07	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	11/30/2017	341.91	49.41	ND	ND	292.50	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/8/2018	341.91	39.48	ND	ND	302.43	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/4/2018	341.91	46.84	ND	ND	295.07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/6/2018	341.91	43.25	ND	ND	298.66	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	341.91	41.53	ND	ND	300.38	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/14/2019	341.91	39.70	ND	ND	302.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/30/2019	341.91	39.92	ND	ND	301.99	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/16/2019	341.91	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	Well Abandoned 5/31/2019
Mann-Kendall Statistic							N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-20D(73-83)	4/11/2014	329.57	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	72	32	2	ND(1)	ND(1)	
	7/10/2014	329.57	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	100	28	3	ND(1)	ND(1)	
	8/26/2014	329.57	31.26	ND	ND	298.31	ND(1)	ND(1)	ND(1)	ND(1)	100	34	2	ND(1)	ND(1)	
	9/2/2014	329.57	33.62	ND	ND	295.95	ND(1)	ND(1)	ND(1)	ND(1)	120	27	3	ND(1)	1	
	12/9/2014	329.57	36.52	ND	ND	293.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	329.57	38.02	ND	ND	291.55	ND(2)	ND(2)	ND(2)	ND(2)	740	340	15	ND(2)	8	
	3/27/2015	329.57	37.51	ND	ND	292.06	ND(1)	ND(1)	ND(1)	ND(1)	1400	480	24	ND(1)	18	
	5/6/2015	329.57	36.48	ND	ND	293.09	ND(1)	ND(1)	ND(1)	ND(1)	980	280	15	ND(1)	9	
	6/1/2015	329.57	36.52	ND	ND	293.05	ND(2)	ND(2)	ND(2)	ND(2)	940	190	16	ND(2)	10	
	9/1/2015	329.57	38.69	ND	ND	290.88	ND(1)	ND(1)	ND(1)	ND(1)	990	360	19	ND(1)	11	
	12/1/2015	329.57	38.97	ND	ND	290.60	ND(1)	ND(1)	ND(1)	ND(1)	900	400	15	ND(1)	11	
	3/17/2016	329.57	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	680	250	12	ND(1)	8	
	4/29/2016	329.57	35.41	ND	ND	294.16	ND(1)	ND(1)	ND(1)	ND(1)	670	190	13	ND(1)	5	
	8/19/2016	329.57	36.56	ND	ND	293.01	2	ND(1)	ND(1)	ND(1)	740	150	14	ND(1)	8	
	12/13/2016	329.57	37.70	ND	ND	291.87	ND(1)	ND(1)	ND(1)	ND(1)	570	180	8	ND(1)	5	
	3/13/2017	329.57	38.41	ND	ND	291.16	ND(1)	ND(1)	ND(1)	ND(1)	400	190	6	ND(1)	3	
	6/22/2017	329.57	38.31	ND	ND	291.26	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	329.57	38.85	ND	ND	290.72	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2017	329.57	39.46	ND	ND	290.11	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	329.57	39.90	ND	ND	289.67	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	329.57	37.43	ND	ND	292.14	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	329.57	35.13	ND	ND	294.44	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2018	329.57	32.57	ND	ND	297.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	329.57	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	329.57	31.20	ND	ND	298.37	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	329.57	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	329.57	35.53	ND	ND	294.04	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						0	0	0	0	-6	-3	-4	0	-6	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-20D(90-100)	4/11/2014	329.58	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	55	24	1	ND(1)	ND(1)	
	7/10/2014	329.58	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	73	21	2	ND(1)	ND(1)	
	8/26/2014	329.58	32.88	ND	ND	296.70	ND(1)	ND(1)	ND(1)	ND(1)	75	26	1	ND(1)	ND(1)	
	9/2/2014	329.58	34.25	ND	ND	295.33	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	12/9/2014	329.58	37.24	ND	ND	292.34	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	329.58	38.22	ND	ND	291.36	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	6/1/2015	329.58	36.72	ND	ND	292.86	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	9/1/2015	329.58	38.82	ND	ND	290.76	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/1/2015	329.58	39.42	ND	ND	290.16	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/17/2016	329.58	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	4/29/2016	329.58	35.63	ND	ND	293.95	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	8/19/2016	329.58	37.30	ND	ND	292.28	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	329.58	38.82	ND	ND	290.76	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/13/2017	329.58	39.03	ND	ND	290.55	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/22/2017	329.58	38.46	ND	ND	291.12	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	329.58	39.40	ND	ND	290.18	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2017	329.58	40.32	ND	ND	289.26	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	329.58	40.00	ND	ND	289.58	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	329.58	37.78	ND	ND	291.80	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	329.58	34.98	ND	ND	294.60	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2018	329.58	32.60	ND	ND	296.98	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	329.58	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	329.58	31.00	ND	ND	298.58	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	329.58	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	329.58	36.02	ND	ND	293.56	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						0	0	0	0	-4	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-20D(132-142)	4/11/2014	329.56	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	32	ND(20)	ND(1)	ND(1)	ND(1)	
	7/10/2014	329.56	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	55	ND(20)	1	ND(1)	ND(1)	
	8/26/2014	329.56	33.85	ND	ND	295.71	ND(1)	ND(1)	ND(1)	ND(1)	130	42	2	ND(1)	1	
	9/2/2014	329.56	34.36	ND	ND	295.20	ND(1)	ND(1)	ND(1)	ND(1)	100	38	3	ND(1)	ND(1)	
	12/9/2014	329.56	38.19	ND	ND	291.37	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	329.56	38.26	ND	ND	291.30	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/1/2015	329.56	36.73	ND	ND	292.83	ND(1)	ND(1)	ND(1)	ND(1)	8	ND(20)	ND(1)	ND(1)	ND(1)	
	9/1/2015	329.56	38.80	ND	ND	290.76	ND(1)	ND(1)	ND(1)	ND(1)	7	ND(20)	ND(1)	ND(1)	ND(1)	
	12/1/2015	329.56	39.79	ND	ND	289.77	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	3/17/2016	329.56	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	4/29/2016	329.56	35.64	ND	ND	293.92	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	8/19/2016	329.56	37.36	ND	ND	292.20	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	329.56	38.78	ND	ND	290.78	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/13/2017	329.56	38.94	ND	ND	290.62	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/22/2017	329.56	38.38	ND	ND	291.18	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	329.56	39.44	ND	ND	290.12	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2017	329.56	40.30	ND	ND	289.26	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	329.56	40.03	ND	ND	289.53	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	329.56	37.77	ND	ND	291.79	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	329.56	34.98	ND	ND	294.58	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2018	329.56	34.53	ND	ND	295.03	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	329.56	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	329.56	31.05	ND	ND	298.51	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	329.56	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	329.56	36.04	ND	ND	293.52	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						0	0	0	0	-6	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-21S	4/11/2014	329.69	33.65	ND	ND	296.04	ND(10)	ND(10)	ND(10)	ND(10)	7500	6200	79	ND(10)	78	Screened from 26-46'
	6/18/2014	329.69	31.42	ND	ND	298.27	ND(1)	ND(1)	ND(1)	ND(1)	53	ND(20)	1	ND(1)	ND(1)	
	9/16/2014	329.69	34.26	ND	ND	295.43	ND(1)	ND(1)	ND(1)	ND(1)	130	31	4	ND(1)	1	
	12/10/2014	329.69	37.30	ND	ND	292.39	ND(1)	ND(1)	ND(1)	ND(1)	780	320	20	ND(1)	8	
	3/11/2015	329.69	37.33	ND	ND	292.36	ND(2)	ND(2)	ND(2)	ND(2)	910	610	17	ND(2)	8	
	6/3/2015	329.69	35.74	ND	ND	293.95	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	9/4/2015	329.69	37.78	ND	ND	291.91	ND(1)	ND(1)	ND(1)	ND(1)	32	ND(20)	3	ND(1)	ND(1)	
	12/1/2015	329.69	38.98	ND	ND	290.71	ND(1)	ND(1)	ND(1)	ND(1)	1500	890	23	ND(1)	16	
	3/17/2016	329.69	36.24	ND	ND	293.45	ND(1)	ND(1)	ND(1)	ND(1)	1400	760	18	ND(1)	16	
	5/4/2016	329.69	34.54	ND	ND	295.15	ND(2)	ND(2)	ND(2)	3	2400	900	30	ND(2)	22	
	8/19/2016	329.69	36.24	ND	ND	293.45	ND(1)	ND(1)	ND(1)	ND(1)	670	150	10	ND(1)	7	
	12/15/2016	329.69	38.03	ND	ND	291.66	ND(2)	ND(2)	ND(2)	ND(2)	1400	710	17	ND(2)	12	
	3/16/2017	329.69	38.24	ND	ND	291.45	ND(2)	ND(2)	ND(2)	ND(2)	1100	440	19	ND(2)	11	
	6/22/2017	329.69	37.43	ND	ND	292.26	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	329.69	38.52	ND	ND	291.17	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2017	329.69	39.55	ND	ND	290.14	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	329.69	39.10	ND	ND	290.59	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	329.69	36.95	ND	ND	292.74	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	329.69	34.05	ND	ND	295.64	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2018	329.69	31.43	ND	ND	298.26	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	329.69	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	329.69	29.88	ND	ND	299.81	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	329.69	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	329.69	35.08	ND	ND	294.61	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic							0	0	0	-2	-3	-4	0	0	-4	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-21I	4/11/2014	329.71	33.71	ND	ND	296.00	ND(2)	ND(2)	ND(2)	ND(2)	2500	1700	31	ND(2)	28	Screened from 56-66'
	6/18/2014	329.71	31.52	ND	ND	298.19	ND(1)	ND(1)	ND(1)	ND(1)	1700	910	26	ND(1)	18	
	9/16/2014	329.71	34.35	ND	ND	295.36	ND(1)	ND(1)	ND(1)	ND(1)	2100	1500	29	ND(1)	26	
	12/10/2014	329.71	37.40	ND	ND	292.31	ND(1)	ND(1)	ND(1)	ND(1)	1900	1400	29	ND(1)	24	
	3/11/2015	329.71	37.40	ND	ND	292.31	ND(2)	ND(2)	ND(2)	ND(2)	1300	1000	22	ND(2)	15	
	5/6/2015	329.71	35.89	ND	ND	293.82	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	4	ND(1)	ND(1)	
	6/3/2015	329.71	35.81	ND	ND	293.90	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	9/4/2015	329.71	37.88	ND	ND	291.83	ND(2)	ND(2)	ND(2)	ND(2)	2300	1500	24	ND(2)	23	
	12/2/2015	329.71	39.04	ND	ND	290.67	ND(2)	ND(2)	ND(2)	ND(2)	2100	1400	23	ND(2)	22	
	3/17/2016	329.71	36.52	ND	ND	293.19	ND(1)	ND(1)	ND(1)	ND(1)	1300	880	20	ND(1)	17	
	5/3/2016	329.71	34.75	ND	ND	294.96	ND(1)	ND(1)	ND(1)	ND(1)	630	220	15	ND(1)	6	
	8/19/2016	329.71	36.37	ND	ND	293.34	ND(1)	ND(1)	ND(1)	ND(1)	1400	510	20	ND(1)	16	
	12/15/2016	329.71	38.10	ND	ND	291.61	ND(1)	ND(1)	ND(1)	ND(1)	220	33	8	ND(1)	2	
	3/16/2017	329.71	38.20	ND	ND	291.51	ND(1)	ND(1)	ND(1)	ND(1)	8	ND(20)	6	ND(1)	ND(1)	
	6/22/2017	329.71	37.48	ND	ND	292.23	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	329.71	38.60	ND	ND	291.11	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2017	329.71	39.44	ND	ND	290.27	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	329.71	39.25	ND	ND	290.46	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	329.71	36.97	ND	ND	292.74	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	329.71	34.12	ND	ND	295.59	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2018	329.71	31.53	ND	ND	298.18	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	329.71	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	329.71	30.03	ND	ND	299.68	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	329.71	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	329.71	35.18	ND	ND	294.53	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						0	0	0	0	-6	-8	-7	0	-8	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-22	4/11/2014	320.97	28.55	ND	ND	292.42	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	Screened from 20-40'
	6/18/2014	320.97	25.75	ND	ND	295.22	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	9/2/2014	320.97	27.48	ND	ND	293.49	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	12/9/2014	320.97	30.54	ND	ND	290.43	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	320.97	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	320.97	28.49	ND	ND	292.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/2/2015	320.97	30.29	ND	ND	290.68	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	12/2/2015	320.97	31.76	ND	ND	289.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	320.97	29.04	ND	ND	291.93	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	320.97	28.32	ND	ND	292.65	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/18/2016	320.97	29.38	ND	ND	291.59	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	12/13/2016	320.97	32.49	ND	ND	288.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	320.97	33.06	ND	ND	287.91	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	320.97	31.59	ND	ND	289.38	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/29/2017	320.97	32.16	ND	ND	288.81	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	11/30/2017	320.97	33.47	ND	ND	287.50	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	320.97	33.60	ND	ND	287.37	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	320.97	30.85	ND	ND	290.12	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	320.97	27.11	ND	ND	293.86	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2018	320.97	24.65	ND	ND	296.32	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	320.97	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	320.97	22.63	ND	ND	298.34	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	320.97	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	320.97	28.97	ND	ND	292.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic							N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-23D	5/19/2014	324.81	27.72	ND	ND	297.09	ND(10)	ND(10)	ND(10)	ND(10)	8000	1800	260	ND(10)	120	Screened from 90-100'
	6/10/2014	324.81	27.34	ND	ND	297.47	ND(20)	ND(20)	ND(20)	ND(20)	11000	2200	340	ND(20)	180	
	6/19/2014	324.81	27.19	ND	ND	297.62	ND(10)	ND(10)	ND(10)	ND(10)	5100	ND(200)	130	ND(10)	57	
	8/20/2014	324.81	28.42	ND	ND	296.39	ND(10)	ND(10)	ND(10)	ND(10)	10000	2100	270	ND(10)	140	
	9/3/2014	324.81	29.86	ND	ND	294.95	ND(20)	ND(20)	ND(20)	ND(20)	9300	1700	280	ND(20)	130	
	9/22/2014	324.81	32.83	ND	ND	291.98	ND(5)	ND(5)	ND(5)	ND(5)	4600	950	NA	NA	NA	
	10/21/2014	324.81	33.46	ND	ND	291.35	ND(10)	ND(10)	ND(10)	ND(10)	4100	790	120	ND(10)	68	
	12/10/2014	324.81	34.79	ND	ND	290.02	ND(1)	ND(1)	ND(1)	ND(1)	400	24	21	ND(1)	6	
	3/11/2015	324.81	33.63	ND	ND	291.18	ND(1)	27	ND(1)	2	200	32	11	ND(1)	2	
	6/3/2015	324.81	32.59	ND	ND	292.22	ND(1)	ND(1)	ND(1)	ND(1)	3	ND(20)	3	ND(1)	ND(1)	
	9/4/2015	324.81	35.85	ND	ND	288.96	ND(1)	ND(1)	ND(1)	ND(1)	53	ND(20)	4	ND(1)	ND(1)	
	12/2/2015	324.81	35.39	ND	ND	289.42	ND(1)	1	ND(1)	ND(1)	120	ND(20)	3	ND(1)	1	
	2/12/2016	324.81	31.55	ND	ND	293.26	ND(1)	ND(1)	ND(1)	ND(1)	87	ND(20)	3	ND(1)	ND(1)	
	3/16/2016	324.81	33.78	ND	ND	291.03	ND(1)	ND(1)	ND(1)	ND(1)	16	ND(20)	ND(1)	ND(1)	ND(1)	
	5/2/2016	324.81	29.94	ND	ND	294.87	ND(1)	ND(1)	ND(1)	ND(1)	36	ND(20)	2	ND(1)	ND(1)	
	8/18/2016	324.81	34.12	ND	ND	290.69	ND(1)	ND(1)	ND(1)	ND(1)	70	ND(20)	ND(1)	ND(1)	ND(1)	
	12/14/2016	324.81	32.20	ND	ND	292.61	ND(1)	ND(1)	ND(1)	ND(1)	67	ND(20)	ND(1)	ND(1)	ND(1)	
	3/16/2017	324.81	31.87	ND	ND	292.94	ND(1)	ND(1)	ND(1)	ND(1)	47	ND(20)	ND(1)	ND(1)	ND(1)	
	6/22/2017	324.81	33.05	ND	ND	291.76	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	8/29/2017	324.81	35.31	ND	ND	289.50	ND(1)	2	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/1/2017	324.81	34.90	ND	ND	289.91	ND(1)	ND(1)	ND(1)	ND(1)	5	ND(20)	ND(1)	ND(1)	ND(1)	
	3/8/2018	324.81	33.61	ND	ND	291.20	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/4/2018	324.81	32.41	ND	ND	292.40	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	9/6/2018	324.81	29.43	ND	ND	295.38	ND(1)	ND(1)	ND(1)	ND(5)	4	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	324.81	27.51	ND	ND	297.30	ND(1)	ND(1)	ND(1)	ND(5)	2	ND(25)	ND(1)	ND(1)	ND(1)	
	3/14/2019	324.81	26.19	ND	ND	298.62	ND(1)	ND(1)	ND(1)	ND(5)	3	ND(25)	ND(1)	ND(1)	ND(1)	
	5/31/2019	324.81	26.40	ND	ND	298.41	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	9/16/2019	324.81	29.05	ND	ND	295.76	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-23D	11/21/2019	324.81	29.11	ND	ND	295.70	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
Mann-Kendall Statistic										0	-3	0	0	-62	0	-13
										0	0	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-24	4/11/2014	324.49	27.66	ND	ND	296.83	ND(1)	1	ND(1)	ND(1)	29	ND(20)	1	ND(1)	ND(1)	Screened from 50-60'
	6/18/2014	324.49	26.39	ND	ND	298.10	ND(1)	ND(1)	ND(1)	ND(1)	21	ND(20)	ND(1)	ND(1)	ND(1)	
	9/3/2014	324.49	29.30	ND	ND	295.19	ND(1)	ND(1)	ND(1)	ND(1)	21	ND(20)	ND(1)	ND(1)	ND(1)	
	12/9/2014	324.49	33.93	ND	ND	290.56	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	324.49	33.66	ND	ND	290.83	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	6/3/2015	324.49	32.51	ND	ND	291.98	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	9/4/2015	324.49	35.15	ND	ND	289.34	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	12/2/2015	324.49	35.09	ND	ND	289.40	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	3/16/2016	324.49	33.35	ND	ND	291.14	ND(1)	ND(1)	ND(1)	ND(1)	3	ND(20)	ND(1)	ND(1)	ND(1)	
	5/2/2016	324.49	29.28	ND	ND	295.21	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	8/18/2016	324.49	33.25	ND	ND	291.24	ND(1)	ND(1)	ND(1)	ND(1)	10	ND(20)	ND(1)	ND(1)	ND(1)	
	12/14/2016	324.49	31.57	ND	ND	292.92	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	3/16/2017	324.49	31.22	ND	ND	293.27	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/22/2017	324.49	32.39	ND	ND	292.10	ND(1)	ND(1)	ND(1)	ND(1)	3	ND(20)	ND(1)	ND(1)	ND(1)	
	8/29/2017	324.49	34.90	ND	ND	289.59	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	12/1/2017	324.49	34.43	ND	ND	290.06	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	3/8/2018	324.49	33.45	ND	ND	291.04	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	6/4/2018	324.49	31.95	ND	ND	292.54	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	9/6/2018	324.49	28.73	ND	ND	295.76	ND(1)	ND(1)	ND(1)	ND(5)	2	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	324.49	26.78	ND	ND	297.71	ND(1)	ND(1)	ND(1)	ND(5)	1	ND(25)	ND(1)	ND(1)	ND(1)	
	3/14/2019	324.49	25.34	ND	ND	299.15	ND(1)	ND(1)	ND(1)	ND(5)	1	ND(25)	ND(1)	ND(1)	ND(1)	
	5/31/2019	324.49	25.62	ND	ND	298.87	ND(1)	ND(1)	ND(1)	ND(5)	1	ND(25)	ND(1)	ND(1)	ND(1)	
	9/16/2019	324.49	28.22	ND	ND	296.27	ND(1)	ND(1)	ND(1)	ND(5)	1	ND(25)	ND(1)	ND(1)	ND(1)	
	11/21/2019	324.49	29.33	ND	ND	295.16	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
Mann-Kendall Statistic							0	0	0	0	-55	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-25D(90)	8/20/2014	323.92	22.06	ND	ND	301.86	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	9/2/2014	317.18	22.63	ND	ND	294.55	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	12/9/2014	317.18	25.04	ND	ND	292.14	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	3/10/2015	317.18	23.25	ND	ND	293.93	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	6/2/2015	317.18	23.76	ND	ND	293.42	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	9/2/2015	317.18	26.12	ND	ND	291.06	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	12/1/2015	317.18	37.27	ND	ND	279.91	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	3/16/2016	317.18	24.33	ND	ND	292.85	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	5/2/2016	317.18	22.37	ND	ND	294.81	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	8/17/2016	317.18	25.27	ND	ND	291.91	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	12/14/2016	317.18	24.50	ND	ND	292.68	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	3/16/2017	317.18	24.11	ND	ND	293.07	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	6/22/2017	317.18	24.40	ND	ND	292.78	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	8/28/2017	317.18	25.40	ND	ND	291.78	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	12/1/2017	317.18	25.94	ND	ND	291.24	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	3/8/2018	317.18	25.20	ND	ND	291.98	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	6/4/2018	317.18	23.60	ND	ND	293.58	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	9/6/2018	317.18	22.22	ND	ND	294.96	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	317.18	20.46	ND	ND	296.72	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	3/14/2019	317.18	19.13	ND	ND	298.05	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	5/31/2019	317.18	19.80	ND	ND	297.38	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	9/17/2019	317.18	22.35	ND	ND	294.83	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	11/21/2019	317.18	23.04	ND	ND	294.14	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
Mann-Kendall Statistic							0	0	0	0	0	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-26D(78)	8/26/2014	295.13	2.63	ND	ND	292.50	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	9/2/2014	295.13	2.68	ND	ND	292.45	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	12/9/2014	295.13	2.46	ND	ND	292.67	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	3/10/2015	295.13	1.98	ND	ND	293.15	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	6/4/2015	295.13	1.82	ND	ND	293.31	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/2/2015	295.13	2.08	ND	ND	293.05	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	12/2/2015	295.13	3.52	ND	ND	291.61	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	295.13	1.97	ND	ND	293.16	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	295.13	1.65	ND	ND	293.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/18/2016	295.13	3.43	ND	ND	291.70	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	12/13/2016	295.13	3.59	ND	ND	291.54	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	295.13	3.33	ND	ND	291.80	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	295.13	3.19	ND	ND	291.94	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	295.13	3.62	ND	ND	291.51	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	11/30/2017	295.13	3.73	ND	ND	291.40	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	295.13	2.81	ND	ND	292.32	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	295.13	2.17	ND	ND	292.96	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	295.13	2.01	ND	ND	293.12	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	295.13	1.51	ND	ND	293.62	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	295.13	0.85	ND	ND	294.28	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	295.13	0.92	ND	ND	294.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/17/2019	295.13	2.09	ND	ND	293.04	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	11/21/2019	295.13	2.45	ND	ND	292.68	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic						0	0	0	0	0	0	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-27S	8/26/2014	323.40	28.42	ND	ND	294.98	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	9/2/2014	323.40	28.88	ND	ND	294.52	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	12/9/2014	323.40	32.28	ND	ND	291.12	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	3/11/2015	323.40	32.35	ND	ND	291.05	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	6/3/2015	323.40	30.72	ND	ND	292.68	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	9/3/2015	323.40	32.46	ND	ND	290.94	ND(1)	ND(1)	ND(1)	7	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/1/2015	323.40	33.80	ND	ND	289.60	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/16/2016	323.40	30.99	ND	ND	292.41	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	5/2/2016	323.40	29.95	ND	ND	293.45	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	8/18/2016	323.40	31.33	ND	ND	292.07	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/14/2016	323.40	32.42	ND	ND	290.98	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/16/2017	323.40	33.77	ND	ND	289.63	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/22/2017	323.40	32.77	ND	ND	290.63	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/29/2017	323.40	33.62	ND	ND	289.78	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	11/30/2017	323.40	34.64	ND	ND	288.76	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	323.40	34.50	ND	ND	288.90	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	323.40	32.13	ND	ND	291.27	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	323.40	29.26	ND	ND	294.14	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2018	323.40	26.72	ND	ND	296.68	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	323.40	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	323.40	24.92	ND	ND	298.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	323.40	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	323.40	30.43	ND	ND	292.97	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic						0	0	0	0	-3	0	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-27I	8/26/2014	323.35	28.26	ND	ND	295.09	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	9/2/2014	323.35	27.69	ND	ND	295.66	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	12/9/2014	323.35	32.31	ND	ND	291.04	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	3/11/2015	323.35	32.39	ND	ND	290.96	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/3/2015	323.35	30.75	ND	ND	292.60	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	9/3/2015	323.35	32.41	ND	ND	290.94	ND(1)	ND(1)	3	38	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/1/2015	323.35	33.42	ND	ND	289.93	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/16/2016	323.35	31.01	ND	ND	292.34	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	5/2/2016	323.35	29.86	ND	ND	293.49	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	8/18/2016	323.35	31.29	ND	ND	292.06	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/14/2016	323.35	33.39	ND	ND	289.96	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/16/2017	323.35	33.73	ND	ND	289.62	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/22/2017	323.35	32.78	ND	ND	290.57	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/29/2017	323.35	33.71	ND	ND	289.64	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	11/30/2017	323.35	34.30	ND	ND	289.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	323.35	34.60	ND	ND	288.75	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	323.35	32.23	ND	ND	291.12	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	323.35	29.40	ND	ND	293.95	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2018	323.35	26.68	ND	ND	296.67	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	323.35	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	323.35	24.83	ND	ND	298.52	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	323.35	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	323.35	30.25	ND	ND	293.10	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic						0	0	0	0	0	0	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
PW-1(65)	8/17/2009	334.54	NM	NM	NM	NM	0.76	ND(0.50)	ND(0.50)	0.46 J	1320	80.9	148	ND(0.50)	36.8	Abandoned to 75' (Nov 2011)
	10/16/2009	334.54	NM	NM	NM	NM	8	ND	ND	8.4	2520	NA	NA	NA	NA	Open from 55-75'
	6/22/2010	334.54	34.47	ND	ND	300.07	8	ND(0.7)	ND(0.8)	7	1600	NA	NA	NA	NA	
	9/30/2010	334.54	36.84	ND	ND	297.70	9	ND(0.7)	ND(0.8)	5	1600	NA	NA	NA	NA	
	12/16/2010	334.54	36.51	ND	ND	298.03	6	ND(1)	ND(2)	5	1700	NA	NA	NA	NA	
	5/24/2011	334.54	35.87	ND	ND	298.67	8 J	ND(4)	ND(4)	4 J	2100	NA	NA	NA	NA	
	9/2/2011	334.54	38.61	ND	ND	295.93	6	ND(0.7)	ND(0.8)	3 J	1800	NA	NA	NA	NA	Abandoned to 75' (Nov 2011)
	12/22/2011	334.54	36.37	ND	ND	298.17	4 J	ND(4)	ND(4)	ND(4)	1300	NA	NA	NA	NA	
	6/1/2012	334.54	36.82	ND	ND	297.72	3 J	ND(1)	ND(2)	ND(2)	860	NA	NA	NA	NA	
	2/25/2013	334.54	38.28	ND	ND	296.26	ND(5)	ND(5)	ND(5)	ND(5)	800	110	140	ND(5)	51	
	6/6/2013	334.54	37.41	ND	ND	297.13	3 J	ND(0.7)	ND(0.8)	ND(0.8)	1200	NA	NA	NA	NA	
	12/19/2013	334.54	38.60	ND	ND	295.94	ND(25)	ND(25)	ND(25)	ND(25)	4700	630	280	ND(25)	140	
	3/25/2014	334.54	36.19	ND	ND	298.35	ND(10)	ND(10)	ND(10)	ND(10)	6900	1000	290	ND(10)	180	
	6/19/2014	334.54	34.23	ND	ND	300.31	ND(5)	ND(5)	ND(5)	ND(5)	3300	420	170	ND(5)	76	
	9/10/2014	334.54	36.96	ND	ND	297.58	ND(10)	ND(10)	ND(10)	ND(10)	4600	370	210	ND(10)	120	
	12/10/2014	334.54	42.23	ND	ND	292.31	1	ND(1)	ND(1)	ND(1)	890	110	130	ND(1)	40	
	3/12/2015	334.54	43.30	ND	ND	291.24	ND(1)	ND(1)	ND(1)	ND(1)	460	70	100	ND(1)	21	
	6/3/2015	334.54	41.52	ND	ND	293.02	ND(1)	ND(1)	ND(1)	ND(1)	360	ND(20)	75	ND(1)	13	
	9/4/2015	334.54	43.42	ND	ND	291.12	ND(1)	ND(1)	ND(1)	ND(1)	150	29	36	ND(1)	4	
	12/1/2015	334.54	56.30	ND	ND	278.24	ND(1)	ND(1)	ND(1)	ND(1)	25	ND(20)	10	ND(1)	ND(1)	
	3/17/2016	334.54	41.23	ND	ND	293.31	ND(1)	ND(1)	ND(1)	ND(1)	32	ND(20)	9	ND(1)	ND(1)	
	5/3/2016	334.54	37.43	ND	ND	297.11	ND(1)	ND(1)	ND(1)	ND(1)	41	ND(20)	10	ND(1)	ND(1)	
	8/17/2016	334.54	41.04	ND	ND	293.50	ND(1)	ND(1)	ND(1)	ND(1)	32	ND(20)	5	ND(1)	ND(1)	
	12/14/2016	334.54	39.76	ND	ND	294.78	ND(1)	ND(1)	ND(1)	ND(1)	42	ND(20)	4	ND(1)	1	
	3/13/2017	333.25	38.19	ND	ND	295.06	ND(1)	ND(1)	ND(1)	ND(1)	42	ND(20)	6	ND(1)	1	
	6/22/2017	333.25	38.89	ND	ND	294.36	ND(1)	ND(1)	ND(1)	ND(1)	32	ND(20)	3	ND(1)	ND(1)	
	9/1/2017	333.25	40.79	ND	ND	292.46	ND(1)	ND(1)	ND(1)	ND(1)	30	ND(20)	3	ND(1)	ND(1)	
	12/1/2017	333.25	41.26	ND	ND	291.99	ND(1)	ND(1)	ND(1)	ND(1)	32	ND(20)	4	ND(1)	ND(1)	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
PW-1(65)	3/8/2018	333.25	40.45	ND	ND	292.80	ND(1)	ND(1)	ND(1)	ND(1)	24	ND(20)	3	ND(1)	ND(1)	
	6/4/2018	333.25	38.69	ND	ND	294.56	ND(1)	ND(1)	ND(1)	ND(1)	15	ND(20)	2	ND(1)	ND(1)	
	9/6/2018	333.25	35.23	ND	ND	298.02	ND(1)	ND(1)	ND(1)	ND(5)	12	ND(25)	1	ND(1)	ND(1)	
	12/3/2018	333.25	33.28	ND	ND	299.97	ND(1)	ND(1)	ND(1)	ND(5)	7	ND(25)	ND(1)	ND(1)	ND(1)	
	3/14/2019	333.25	31.59	ND	ND	301.66	ND(1)	ND(1)	ND(1)	ND(5)	6	ND(25)	ND(1)	ND(1)	ND(1)	
	5/31/2019	333.25	31.68	ND	ND	301.57	ND(1)	ND(1)	ND(1)	ND(5)	10	ND(25)	1	ND(1)	ND(1)	
	9/17/2019	333.25	34.65	ND	ND	298.60	ND(1)	ND(1)	ND(1)	ND(5)	18	ND(25)	3	ND(1)	ND(1)	
	11/21/2019	333.25	35.95	ND	ND	297.30	ND(1)	ND(1)	ND(1)	ND(3)	22	ND(25)	2	ND(1)	ND(1)	
Mann-Kendall Statistic							0	0	0	0	-71	0	-78	0	-16	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
RW-1	3/24/2014	328.31	30.91	ND	ND	297.40	NS	NS	NS	NS	NS	NS	NS	NS	NS	Screened from 21-91'
	6/19/2014	328.31	28.14	ND	ND	300.17	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/20/2014	328.31	30.26	ND	ND	298.05	ND(20)	ND(20)	ND(20)	ND(20)	19000	3800	420	ND(20)	220	
	12/11/2014	328.31	58.61	ND	ND	269.70	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	328.31	44.47	ND	ND	283.84	ND(20)	ND(20)	ND(20)	ND(20)	7200	1800	200	ND(20)	100	
	6/1/2015	328.31	NM	NM	NM	NM	ND(10)	ND(10)	ND(10)	ND(10)	4700	550	140	ND(10)	71	
	8/17/2015	328.31	NM	NM	NM	NM	ND(5)	ND(5)	ND(5)	ND(5)	4500	NA	NA	NA	NA	
	8/31/2015	328.31	54.69	ND	ND	273.62	ND(10)	ND(10)	ND(10)	ND(10)	4400	810	120	ND(10)	63	
	12/1/2015	328.31	NM	NM	NM	NM	2	ND(1)	ND(1)	ND(1)	3900	740	100	ND(1)	66	
	2/12/2016	328.31	34.18	ND	ND	294.13	ND(10)	ND(10)	ND(10)	ND(10)	2600	440	56	ND(10)	33	
	3/17/2016	328.31	NM	NM	NM	NM	1	ND(1)	ND(1)	ND(1)	2400	260	66	ND(1)	38	
	5/6/2016	NM	NM	NM	NM	NM	ND(5)	ND(5)	ND(5)	5	5800	860	150	ND(5)	88	
	8/16/2016	328.31	34.77	ND	ND	293.54	ND(5)	ND(5)	ND(5)	ND(5)	1900	270	56	ND(5)	24	
	12/13/2016	328.31	34.77	ND	ND	293.54	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	328.52	34.45	ND	ND	294.07	ND(1)	ND(1)	ND(1)	ND(1)	660	78	23	ND(1)	9	
	6/22/2017	328.52	44.33	ND	ND	284.19	ND(1)	ND(1)	ND(1)	ND(1)	1700	150	41	ND(1)	20	
	8/28/2017	328.52	45.08	ND	ND	283.44	ND(1)	ND(1)	ND(1)	ND(1)	900	58	32	ND(1)	13	
	11/30/2017	328.52	44.74	ND	ND	283.78	ND(1)	ND(1)	ND(1)	ND(1)	530	56	28	ND(1)	6	
	3/8/2018	328.52	43.83	ND	ND	284.69	ND(1)	ND(1)	ND(1)	ND(1)	280	43	21	ND(1)	3	
	6/4/2018	328.52	40.58	ND	ND	287.94	ND(1)	ND(1)	ND(1)	ND(1)	430	45	16	ND(1)	6	
	9/6/2018	328.52	31.82	ND	ND	296.70	ND(1)	ND(1)	ND(1)	ND(5)	760	100	33	ND(1)	10	
	12/3/2018	328.52	29.79	ND	ND	298.73	ND(2)	ND(2)	ND(2)	ND(10)	1200	180	42	ND(2)	12	
	3/14/2019	328.52	28.33	ND	ND	300.19	ND(1)	ND(1)	ND(1)	ND(5)	300	26	10	ND(1)	3	
	5/31/2019	328.52	28.43	ND	ND	300.09	ND(1)	ND(1)	ND(1)	ND(5)	39	ND(25)	2	ND(1)	ND(1)	
	9/17/2019	328.52	31.27	ND	ND	297.25	ND(1)	ND(1)	ND(1)	ND(5)	210	ND(25)	9	ND(1)	3	
	11/21/2019	328.52	32.41	ND	ND	296.11	ND(2)	ND(2)	ND(2)	ND(6)	1400	200	45	ND(2)	18	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						-14	0	0	-12	-53	-50	-49	0	-53	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
W-1	1/18/2003	328.53	33.83	ND	ND	294.70	ND(5)	ND(5)	ND(5)	ND(10)	13000	9100	81	ND(5)	240	Screened from 10-40'
	8/5/2008	328.53	34.81	ND	ND	293.72	9.6	ND(5.0)	ND(5.0)	ND(5.0)	5200	NA	NA	NA	NA	
	6/7/2013	328.53	34.52	ND	ND	294.01	ND(10)	ND(14)	ND(16)	ND(16)	26000	NA	NA	NA	NA	
	12/19/2013	328.53	36.11	ND	ND	292.42	ND(100)	ND(100)	ND(100)	ND(100)	13000	6900	150	ND(100)	130	
	3/25/2014	328.53	33.50	ND	ND	295.03	ND(25)	ND(25)	ND(25)	ND(25)	16000	15000	170	ND(25)	170	
	6/19/2014	328.53	29.91	ND	ND	298.62	ND(50)	ND(50)	ND(50)	ND(50)	15000	13000	130	ND(50)	140	
	9/3/2014	328.53	31.77	ND	ND	296.76	ND(20)	ND(20)	ND(20)	ND(20)	13000	8900	95	ND(20)	100	
	12/10/2014	328.53	36.07	ND	ND	292.46	ND(20)	ND(20)	ND(20)	ND(20)	18000	14000	170	ND(20)	170	
	3/12/2015	328.53	35.89	ND	ND	292.64	ND(20)	ND(20)	ND(20)	ND(20)	11000	9100	120	ND(20)	110	
	6/4/2015	328.53	34.34	ND	ND	294.19	ND(50)	ND(50)	ND(50)	ND(50)	8800	4700	98	ND(50)	84	
	9/4/2015	328.53	36.46	ND	ND	292.07	ND(10)	ND(10)	ND(10)	ND(10)	11000	7800	94	ND(10)	89	
	12/2/2015	328.53	37.57	ND	ND	290.96	ND(10)	ND(10)	ND(10)	ND(10)	16000	16000	140	ND(10)	160	
	2/12/2016	328.53	36.02	ND	ND	292.51	ND(10)	ND(10)	ND(10)	ND(10)	10000	8200	94	ND(10)	90	
	3/17/2016	328.53	34.72	ND	ND	293.81	ND(1)	ND(1)	ND(1)	ND(1)	9800	7800	110	4	100	
	5/4/2016	328.53	33.16	ND	ND	295.37	ND(10)	ND(10)	ND(10)	ND(10)	13000	8100	140	ND(10)	110	
	6/27/2016	328.53	34.09	ND	ND	294.44	ND(5)	ND(5)	ND(5)	ND(5)	6400	NA	NA	NA	NA	
	8/19/2016	328.53	35.04	ND	ND	293.49	ND(10)	ND(10)	ND(10)	ND(10)	8400	4000	83	ND(10)	81	
	12/15/2016	328.53	36.54	ND	ND	291.99	ND(20)	ND(20)	ND(20)	ND(20)	9900	9000	88	ND(20)	77	
	3/16/2017	328.53	36.66	ND	ND	291.87	ND(5)	ND(5)	ND(5)	ND(5)	7600	6500	84	ND(5)	71	
	6/22/2017	328.53	35.97	ND	ND	292.56	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	328.53	37.11	ND	ND	291.42	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2017	328.53	37.99	ND	ND	290.54	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	328.53	37.35	ND	ND	291.18	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	328.53	35.50	ND	ND	293.03	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	328.53	32.60	ND	ND	295.93	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2018	328.53	30.05	ND	ND	298.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	328.53	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	328.53	28.56	ND	ND	299.97	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
W-1	9/16/2019	328.53	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	328.53	33.62	ND	ND	294.91	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic							0	0	0	0	-2	0	-2	0	-6	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
W-2	1/18/2003	329.47	34.56	ND	ND	294.91	ND(5)	ND(5)	ND(5)	ND(10)	100	ND(100)	ND(5)	ND(5)	ND(5)	Screened from 10-40'
	8/5/2008	329.47	35.53	ND	ND	293.94	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	320	NA	NA	NA	NA	
	6/7/2013	329.47	35.30	ND	ND	294.17	ND(5)	ND(7)	ND(8)	ND(8)	14000	NA	NA	NA	NA	
	12/19/2013	329.47	36.82	ND	ND	292.65	ND(50)	ND(50)	ND(50)	ND(50)	7700	ND(800)	130	ND(50)	74	
	3/25/2014	329.47	34.26	ND	ND	295.21	ND(100)	ND(100)	ND(100)	ND(100)	7000	ND(1600)	130	ND(100)	ND(100)	
	6/19/2014	329.47	30.74	ND	ND	298.73	ND(10)	ND(10)	ND(10)	ND(10)	5000	ND(200)	39	ND(10)	38	
	9/3/2014	329.47	32.64	ND	ND	296.83	ND(10)	ND(10)	ND(10)	ND(10)	3900	ND(200)	21	ND(10)	27	
	12/10/2014	329.47	36.75	ND	ND	292.72	ND(2)	ND(2)	ND(2)	ND(2)	2100	ND(40)	25	ND(2)	18	
	3/11/2015	329.47	36.74	ND	ND	292.73	ND(2)	ND(2)	ND(2)	ND(2)	1000	84	20	ND(2)	9	
	6/3/2015	329.47	35.19	ND	ND	294.28	ND(5)	ND(5)	ND(5)	ND(5)	1400	ND(100)	15	ND(5)	11	
	9/4/2015	329.47	DRY	DRY	DRY	DRY	ND(1)	ND(1)	ND(1)	ND(1)	1100	ND(20)	22	ND(1)	9	
	12/2/2015	329.47	38.42	ND	ND	291.05	ND(1)	ND(1)	ND(1)	ND(1)	440	ND(20)	16	ND(1)	3	
	3/17/2016	329.47	35.81	ND	ND	293.66	ND(1)	ND(1)	ND(1)	ND(1)	970	ND(20)	32	ND(1)	9	
	5/3/2016	329.47	34.06	ND	ND	295.41	ND(1)	ND(1)	ND(1)	ND(1)	580	ND(20)	33	ND(1)	4	
	8/18/2016	329.47	35.86	ND	ND	293.61	ND(1)	ND(1)	ND(1)	ND(1)	190	ND(20)	14	ND(1)	1	
	12/15/2016	329.47	37.30	ND	ND	292.17	ND(1)	ND(1)	ND(1)	ND(1)	170	36	12	ND(1)	1	
	3/16/2017	329.47	37.35	ND	ND	292.12	ND(1)	ND(1)	ND(1)	ND(1)	240	82	12	ND(1)	2	
	6/22/2017	329.47	36.74	ND	ND	292.73	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	329.47	37.90	ND	ND	291.57	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2017	329.47	38.74	ND	ND	290.73	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	329.47	38.21	ND	ND	291.26	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	329.47	36.31	ND	ND	293.16	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	329.47	33.40	ND	ND	296.07	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2018	329.47	30.83	ND	ND	298.64	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	329.47	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	329.47	29.38	ND	ND	300.09	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	329.47	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	329.47	34.42	ND	ND	295.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						0	0	0	0	-6	7	-7	0	-5	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
W-3	1/18/2003	330.14	35.88	ND	ND	294.26	ND(5)	ND(5)	ND(5)	ND(10)	ND(5)	ND(100)	ND(5)	ND(5)	ND(5)	Screened from 10-45'
	8/5/2008	330.14	35.92	ND	ND	294.22	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	22	NA	NA	NA	NA	
	6/7/2013	330.14	35.84	ND	ND	294.30	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	2 J	NA	NA	NA	NA	
	12/18/2013	330.14	37.22	ND	ND	292.92	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	
	3/24/2014	330.14	34.57	ND	ND	295.57	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/19/2014	330.14	31.08	ND	ND	299.06	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2014	330.14	33.20	ND	ND	296.94	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	12/9/2014	330.14	37.11	ND	ND	293.03	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	330.14	35.61	ND	ND	294.53	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	330.14	35.69	ND	ND	294.45	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/4/2015	330.14	37.66	ND	ND	292.48	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	12/2/2015	330.14	38.92	ND	ND	291.22	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	330.14	36.24	ND	ND	293.90	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	330.14	34.68	ND	ND	295.46	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/18/2016	330.14	36.24	ND	ND	293.90	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	330.14	37.94	ND	ND	292.20	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	330.14	37.32	ND	ND	292.82	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	330.14	38.42	ND	ND	291.72	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2017	330.14	39.35	ND	ND	290.79	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	330.14	39.95	ND	ND	290.19	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	330.14	36.88	ND	ND	293.26	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	330.14	33.89	ND	ND	296.25	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2018	330.14	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	330.14	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	330.14	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	330.14	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	330.14	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
W-4	1/18/2003	327.67	34.12	ND	ND	293.55	71	920	850	8700	55	790	ND(5)	ND(5)	ND(5)	Screened from 10-40'
	8/5/2008	327.67	34.25	ND	ND	293.42	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	22	NA	NA	NA	NA	
	6/7/2013	327.67	34.08	ND	ND	293.59	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(0.5)	NA	NA	NA	NA	
	12/18/2013	327.67	35.91	ND	ND	291.76	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	
	3/24/2014	327.67	33.24	ND	ND	294.43	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/19/2014	327.67	29.62	ND	ND	298.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/8/2014	327.67	31.54	ND	ND	296.13	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	327.67	35.98	ND	ND	291.69	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	327.67	35.09	ND	ND	292.58	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	327.67	33.00	ND	ND	294.67	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/2/2015	327.67	34.91	ND	ND	292.76	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/2/2015	327.67	36.46	ND	ND	291.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	327.67	33.62	ND	ND	294.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	327.67	31.32	ND	ND	296.35	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/18/2016	327.67	33.90	ND	ND	293.77	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	327.67	36.26	ND	ND	291.41	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	327.67	36.76	ND	ND	290.91	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	327.67	35.44	ND	ND	292.23	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	327.67	36.23	ND	ND	291.44	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2017	327.67	37.37	ND	ND	290.30	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	327.67	37.31	ND	ND	290.36	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	327.67	34.74	ND	ND	292.93	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	327.67	31.32	ND	ND	296.35	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2018	327.67	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	327.67	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	327.67	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	327.67	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	327.67	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
W-5	8/5/2008	327.81	35.93	ND	ND	291.88	320	3000	3000	16000	ND(5.0)	NA	NA	NA	NA	Interval not available
	6/7/2013	327.81	35.30	ND	ND	292.51	180	96	270	11000	ND(0.5)	NA	NA	NA	NA	
	12/18/2013	327.81	37.46	ND	ND	290.35	290	160	860	6000	ND(13)	ND(200)	ND(13)	ND(13)	ND(13)	
	3/24/2014	327.81	34.75	ND	ND	293.06	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/19/2014	327.81	31.23	ND	ND	296.58	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/8/2014	327.81	31.98	ND	ND	295.83	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	327.81	37.19	ND	ND	290.62	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	327.81	37.15	ND	ND	290.66	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	327.81	33.47	ND	ND	294.34	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2015	327.81	35.20	ND	ND	292.61	240	210	790	7600	ND(1)	51	ND(1)	ND(1)	ND(1)	
	12/2/2015	327.81	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	327.81	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	327.81	33.33	ND	ND	294.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/18/2016	327.81	34.50	ND	ND	293.31	210	330	700	5400	ND(2)	58	ND(2)	ND(2)	ND(2)	
	12/13/2016	327.81	37.60	ND	ND	290.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	327.81	38.22	ND	ND	289.59	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	327.81	36.49	ND	ND	291.32	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	327.81	37.14	ND	ND	290.67	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2017	327.81	38.44	ND	ND	289.37	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	327.81	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	327.81	35.88	ND	ND	291.93	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	327.81	32.21	ND	ND	295.60	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2018	327.81	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	327.81	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	327.81	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	327.81	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	327.81	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
W-6	8/5/2008	325.21	31.63	ND	ND	293.58	ND(5.0)	ND(5.0)	ND(5.0)	18.6	16	NA	NA	NA	NA	Interval not available
	6/7/2013	325.21	31.12	ND	ND	294.09	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	6	NA	NA	NA	NA	
	12/18/2013	325.21	32.12	ND	ND	293.09	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	
	3/25/2014	325.21	29.37	ND	ND	295.84	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	
	6/18/2014	325.21	26.56	ND	ND	298.65	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	9/3/2014	325.21	26.98	ND	ND	298.23	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/9/2014	325.21	30.37	ND	ND	294.84	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/11/2015	325.21	25.36	ND	ND	299.85	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/2/2015	325.21	31.07	ND	ND	294.14	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	9/3/2015	325.21	34.37	ND	ND	290.84	1	1	3	40	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/1/2015	325.21	34.34	ND	ND	290.87	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/16/2016	325.21	31.65	ND	ND	293.56	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	5/2/2016	325.21	29.96	ND	ND	295.25	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	8/17/2016	325.21	31.73	ND	ND	293.48	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/14/2016	325.21	33.20	ND	ND	292.01	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/16/2017	325.21	33.32	ND	ND	291.89	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/22/2017	325.21	32.70	ND	ND	292.51	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	325.21	33.86	ND	ND	291.35	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2017	325.21	34.76	ND	ND	290.45	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	325.21	34.21	ND	ND	291.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	325.21	32.21	ND	ND	293.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	325.21	29.32	ND	ND	295.89	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2018	325.21	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	325.21	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	325.21	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	325.21	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	325.21	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						0	0	0	0	0	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
W-7	8/5/2008	329.77	37.35	ND	ND	292.42	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	16	NA	NA	NA	NA	Interval not available
	6/6/2013	329.77	37.04	ND	ND	292.73	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(0.5)	NA	NA	NA	NA	
	12/18/2013	329.77	38.24	ND	ND	291.53	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	
	3/24/2014	329.77	35.60	ND	ND	294.17	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	
	6/18/2014	329.77	32.49	ND	ND	297.28	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	9/3/2014	329.77	34.24	ND	ND	295.53	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/9/2014	329.77	37.70	ND	ND	292.07	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/10/2015	329.77	37.74	ND	ND	292.03	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/2/2015	329.77	34.60	ND	ND	295.17	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	9/3/2015	329.77	37.95	ND	ND	291.82	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/1/2015	329.77	39.19	ND	ND	290.58	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/16/2016	329.77	36.46	ND	ND	293.31	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	5/2/2016	329.77	34.42	ND	ND	295.35	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	8/17/2016	329.77	36.72	ND	ND	293.05	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/14/2016	329.77	39.05	ND	ND	290.72	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/16/2017	329.77	39.39	ND	ND	290.38	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/22/2017	329.77	38.31	ND	ND	291.46	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	329.77	39.14	ND	ND	290.63	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2017	329.77	40.21	ND	ND	289.56	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	329.77	40.09	ND	ND	289.68	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	329.77	37.67	ND	ND	292.10	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	329.77	34.60	ND	ND	295.17	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2018	329.77	31.95	ND	ND	297.82	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	329.77	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	329.77	30.19	ND	ND	299.58	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	329.77	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	329.77	35.88	ND	ND	293.89	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						0	0	0	0	0	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
GFSCMW-2	3/24/2014	316.79	30.18	ND	ND	286.61	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	Interval not available
	6/19/2014	316.79	29.12	ND	ND	287.67	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/4/2014	316.79	27.99	ND	ND	288.80	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/1/2015	316.79	29.38	ND	ND	287.41	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/2/2015	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	316.79	29.89	ND	ND	286.90	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/16/2016	316.79	29.82	ND	ND	286.97	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/13/2016	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	316.79	30.75	ND	ND	286.04	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2017	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	Covered by dumpster
	12/3/2018	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	Inaccessible
	3/14/2019	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic							N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
GFSCMW-3	3/24/2014	319.78	29.14	ND	ND	290.64	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	Interval not available
	6/19/2014	319.78	28.42	ND	ND	291.36	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/4/2014	319.78	27.24	ND	ND	292.54	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	319.78	34.56	ND	ND	285.22	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	319.78	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	319.78	27.82	ND	ND	291.96	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/1/2015	319.78	29.81	ND	ND	289.97	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/2/2015	319.78	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	319.78	28.65	ND	ND	291.13	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	319.78	28.20	ND	ND	291.58	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/16/2016	319.78	28.90	ND	ND	290.88	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/13/2016	319.78	32.43	ND	ND	287.35	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	319.78	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	319.78	31.36	ND	ND	288.42	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	319.78	31.54	ND	ND	288.24	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2017	319.78	33.15	ND	ND	286.63	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	319.78	33.34	ND	ND	286.44	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	319.78	30.22	ND	ND	289.56	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	319.78	25.94	ND	ND	293.84	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/3/2018	319.78	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	Inaccessible
	3/14/2019	319.78	21.54	ND	ND	298.24	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	319.78	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	319.78	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	319.78	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic							N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
GFGPMW-4	3/24/2014	310.10	18.87	ND	ND	291.23	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	Screened from 5.5-20.5'
	6/19/2014	310.10	17.21	ND	ND	292.89	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/4/2014	310.10	18.39	ND	ND	291.71	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/1/2015	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/2/2015	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/16/2016	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/13/2016	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2017	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/3/2018	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic							N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
GFGPMW-5	3/24/2014	310.72	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	Screened from 5-25'
	6/19/2014	310.72	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/4/2014	310.72	22.31	ND	ND	288.41	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/1/2015	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/2/2015	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/16/2016	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/13/2016	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2017	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/3/2018	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic							N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through November 25, 2019

Notes:

µg/L - micrograms per liter (µg/L)

CMT - Continuous Multichannel Tubing

DIPE - Isopropyl ether

ETBE - Ethyl tert-butyl ether

GW - Groundwater

J - Indicates an estimated value

MTBE - Methyl Tertiary Butyl Ether

NA - Not analyzed

ND - Not detected

ND(5.0) - Not detected at or above the laboratory reporting limit, laboratory reporting limit included.

NM - Not monitored

NS - Not sampled

NSVD - Not surveyed to vertical datum

TAME - Tert-Amyl methyl ether

TBA - Tert-Butyl alcohol



APPENDIX A

Lancaster Laboratories Analysis Reports – Groundwater (November 21, 2019)



ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Kleinfelder
550 West C Street, Suite 1200
San Diego CA 92101

Report Date: December 05, 2019 22:09

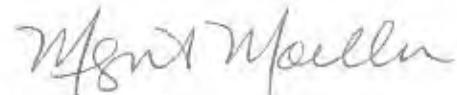
Project: Fairfax 26140

Account #: 12152
Group Number: 2076442
PO Number: 00109816.00A
State of Sample Origin: VA

Electronic Copy To Kleinfelder
Electronic Copy To Kleinfelder
Electronic Copy To Kleinfelder
Electronic Copy To Kleinfelder

Attn: Mark Steele
Attn: Nathan Stevens
Attn: Jennifer Kozak
Attn: Evan McMullen

Respectfully Submitted,



Megan A. Moeller
Senior Specialist

(717) 556-7261

To view our laboratory's current scopes of accreditation please go to <https://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/certifications-and-accreditations-eurofins-lancaster-laboratories-environmental/>. Historical copies may be requested through your project manager.



SAMPLE INFORMATION

<u>Client Sample Description</u>	<u>Sample Collection Date/Time</u>	<u>ELLE#</u>
MW-1R Grab Water	11/21/2019 14:15	1210621
MW-2 Grab Water	11/21/2019 11:15	1210622
MW-7 Grab Water	11/21/2019 13:35	1210623
MW-15 Grab Water	11/21/2019 12:50	1210624
MW-16D(95) Grab Water	11/21/2019 12:10	1210625
MW-23D Grab Water	11/21/2019 09:50	1210626
MW-24 Grab Water	11/21/2019 10:25	1210627
MW-25D(90) Grab Water	11/21/2019 08:40	1210628
PW-1(65) Grab Water	11/21/2019 15:10	1210629
RW-1 Grab Water	11/21/2019	1210630

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

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Sample Description: MW-1R Grab Water
Fairfax 26140

Kleinfelder
ELLE Sample #: WW 1210621
ELLE Group #: 2076442
Matrix: Water

Project Name: Fairfax 26140

Submittal Date/Time: 11/22/2019 18:15
Collection Date/Time: 11/21/2019 14:15

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	t-Butyl alcohol	75-65-0	< 25	25	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	8	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 3	3	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	N193372AA	12/04/2019 01:55	Roy R Mellott Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N193372AA	12/04/2019 01:54	Roy R Mellott Jr	1

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Sample Description: MW-2 Grab Water
Fairfax 26140

Kleinfelder
ELLE Sample #: WW 1210622
ELLE Group #: 2076442
Matrix: Water

Project Name: Fairfax 26140

Submittal Date/Time: 11/22/2019 18:15
Collection Date/Time: 11/21/2019 11:15

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	t-Butyl alcohol	75-65-0	< 25	25	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 3	3	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	N193372AA	12/04/2019 02:17	Roy R Mellott Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N193372AA	12/04/2019 02:16	Roy R Mellott Jr	1

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Sample Description: MW-7 Grab Water
Fairfax 26140

Kleinfelder
ELLE Sample #: WW 1210623
ELLE Group #: 2076442
Matrix: Water

Project Name: Fairfax 26140

Submittal Date/Time: 11/22/2019 18:15
Collection Date/Time: 11/21/2019 13:35

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	t-Butyl alcohol	75-65-0	< 25	25	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 3	3	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	N193372AA	12/04/2019 02:39	Roy R Mellott Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N193372AA	12/04/2019 02:38	Roy R Mellott Jr	1

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Sample Description: MW-15 Grab Water
Fairfax 26140

Kleinfelder
ELLE Sample #: WW 1210624
ELLE Group #: 2076442
Matrix: Water

Project Name: Fairfax 26140

Submittal Date/Time: 11/22/2019 18:15
Collection Date/Time: 11/21/2019 12:50

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	t-Butyl alcohol	75-65-0	< 25	25	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 3	3	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	N193372AA	12/04/2019 03:01	Roy R Mellott Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N193372AA	12/04/2019 03:00	Roy R Mellott Jr	1

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Sample Description: MW-16D(95) Grab Water
Fairfax 26140

Kleinfelder
ELLE Sample #: WW 1210625
ELLE Group #: 2076442
Matrix: Water

Project Name: Fairfax 26140

Submittal Date/Time: 11/22/2019 18:15
Collection Date/Time: 11/21/2019 12:10

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	t-Butyl alcohol	75-65-0	< 25	25	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 3	3	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	N193372AA	12/04/2019 03:23	Roy R Mellott Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N193372AA	12/04/2019 03:22	Roy R Mellott Jr	1

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Sample Description: MW-23D Grab Water
Fairfax 26140

Kleinfelder
ELLE Sample #: WW 1210626
ELLE Group #: 2076442
Matrix: Water

Project Name: Fairfax 26140

Submittal Date/Time: 11/22/2019 18:15
Collection Date/Time: 11/21/2019 09:50

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	t-Butyl alcohol	75-65-0	< 25	25	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 3	3	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	N193372AA	12/04/2019 03:45	Roy R Mellott Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N193372AA	12/04/2019 03:44	Roy R Mellott Jr	1

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Sample Description: MW-24 Grab Water
Fairfax 26140

Kleinfelder
ELLE Sample #: WW 1210627
ELLE Group #: 2076442
Matrix: Water

Project Name: Fairfax 26140

Submittal Date/Time: 11/22/2019 18:15
Collection Date/Time: 11/21/2019 10:25

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	t-Butyl alcohol	75-65-0	< 25	25	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 3	3	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	N193381AA	12/04/2019 12:40	Corie Mellinger	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N193381AA	12/04/2019 12:39	Corie Mellinger	1

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Sample Description: MW-25D(90) Grab Water
Fairfax 26140**Kleinfelder**
ELLE Sample #: WW 1210628
ELLE Group #: 2076442
Matrix: Water**Project Name:** Fairfax 26140**Submittal Date/Time:** 11/22/2019 18:15
Collection Date/Time: 11/21/2019 08:40

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	t-Butyl alcohol	75-65-0	< 25	25	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 3	3	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	N193381AA	12/04/2019 13:02	Corie Mellinger	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N193381AA	12/04/2019 13:01	Corie Mellinger	1

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Sample Description: PW-1(65) Grab Water
Fairfax 26140

Kleinfelder
ELLE Sample #: WW 1210629
ELLE Group #: 2076442
Matrix: Water

Project Name: Fairfax 26140

Submittal Date/Time: 11/22/2019 18:15
Collection Date/Time: 11/21/2019 15:10

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	t-Butyl alcohol	75-65-0	< 25	25	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	2	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	22	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 3	3	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	N193381AA	12/04/2019 13:24	Corie Mellinger	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N193381AA	12/04/2019 13:23	Corie Mellinger	1

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Sample Description: RW-1 Grab Water
Fairfax 26140**Kleinfelder**
ELLE Sample #: WW 1210630
ELLE Group #: 2076442
Matrix: Water**Project Name:** Fairfax 26140**Submittal Date/Time:** 11/22/2019 18:15
Collection Date/Time: 11/21/2019

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	t-Amyl methyl ether	994-05-8	18	2	2
10335	Benzene	71-43-2	< 2	2	2
10335	t-Butyl alcohol	75-65-0	200	50	2
10335	Ethyl t-butyl ether	637-92-3	< 2	2	2
10335	Ethylbenzene	100-41-4	< 2	2	2
10335	di-Isopropyl ether	108-20-3	45	2	2
10335	Methyl Tertiary Butyl Ether	1634-04-4	1,400	20	20
10335	Toluene	108-88-3	< 2	2	2
10335	Xylene (Total)	1330-20-7	< 6	6	2

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	N193381AA	12/04/2019 19:02	Corie Mellinger	2
10335	BTEX + 5 Oxys	SW-846 8260B	1	N193381AA	12/04/2019 19:24	Corie Mellinger	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N193381AA	12/04/2019 19:01	Corie Mellinger	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2	N193381AA	12/04/2019 19:23	Corie Mellinger	20

Quality Control Summary

Client Name: Kleinfelder
Reported: 12/05/2019 22:09

Group Number: 2076442

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result ug/l	LOQ ug/l
Batch number: N193372AA		
t-Amyl methyl ether	< 1	1
Benzene	< 1	1
t-Butyl alcohol	< 25	25
Ethyl t-butyl ether	< 1	1
Ethylbenzene	< 1	1
di-Isopropyl ether	< 1	1
Methyl Tertiary Butyl Ether	< 1	1
Toluene	< 1	1
Xylene (Total)	< 3	3
Batch number: N193381AA		
t-Amyl methyl ether	< 1	1
Benzene	< 1	1
t-Butyl alcohol	< 25	25
Ethyl t-butyl ether	< 1	1
Ethylbenzene	< 1	1
di-Isopropyl ether	< 1	1
Methyl Tertiary Butyl Ether	< 1	1
Toluene	< 1	1
Xylene (Total)	< 3	3

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: N193372AA									
t-Amyl methyl ether	20	19.73	20	19.88	99	99	66-120	1	30
Benzene	20	22.16	20	22.43	111	112	80-120	1	30
t-Butyl alcohol	200	216.26	200	213.39	108	107	60-130	1	30
Ethyl t-butyl ether	20	20.24	20	20.33	101	102	68-121	0	30
Ethylbenzene	20	22.35	20	22.59	112	113	80-120	1	30
di-Isopropyl ether	20	21.11	20	21.27	106	106	70-124	1	30
Methyl Tertiary Butyl Ether	20	20.52	20	20.76	103	104	69-122	1	30
Toluene	20	21.85	20	22.13	109	111	80-120	1	30
Xylene (Total)	60	65.98	60	66.9	110	111	80-120	1	30

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Kleinfelder
Reported: 12/05/2019 22:09

Group Number: 2076442

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: N193381AA									
		Sample number(s): 1210627-1210630							
t-Amyl methyl ether	20	19.32	20	19.4	97	97	66-120	0	30
Benzene	20	21.72	20	21.92	109	110	80-120	1	30
t-Butyl alcohol	200	207.8	200	208.28	104	104	60-130	0	30
Ethyl t-butyl ether	20	19.75	20	19.86	99	99	68-121	1	30
Ethylbenzene	20	21.94	20	21.67	110	108	80-120	1	30
di-Isopropyl ether	20	20.8	20	20.72	104	104	70-124	0	30
Methyl Tertiary Butyl Ether	20	20.34	20	20.62	102	103	69-122	1	30
Toluene	20	21.71	20	21.39	109	107	80-120	1	30
Xylene (Total)	60	65.5	60	64.39	109	107	80-120	2	30

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: BTEX + 5 Oxys

Batch number: N193372AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
1210621	100	103	100	96
1210622	100	103	99	96
1210623	101	104	100	95
1210624	101	103	99	95
1210625	101	102	99	96
1210626	101	102	99	95
Blank	98	102	100	97
LCS	99	100	101	100
LCSD	99	99	100	101
Limits:	80-120	80-120	80-120	80-120

Analysis Name: BTEX + 5 Oxys

Batch number: N193381AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
1210627	101	103	99	95
1210628	100	102	100	96
1210629	101	102	99	95
1210630	98	102	99	96
Blank	100	103	99	95
LCS	100	100	101	103
LCSD	100	101	100	101

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Kleinfelder
Reported: 12/05/2019 22:09

Group Number: 2076442

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: BTEX + 5 Oxys
Batch number: N193381AA

Limits: 80-120 80-120 80-120 80-120

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



Analysis Request/Environmental Services Chain of Custody

For Lancaster Laboratories use only Acct. #: 12152
 Group #: 2076442 Sample #: 1210621-31

Client: Fairfax Petroleum	Acct. #:				Matrix			Analyses Requested										For Lab Use Only			
Project Name/#: 26140	PWSID #:				Potable	NPDES	Preservation Codes										FSC:				
Project Manager: Mark C. Steele	P.O. #:	00109816.00A															SCR#:				
Sampler: Charlie Brehn	Quote #:																Preservation Codes				
Name of State where samples were collected: Virginia																	H=HCl T=Thiosulfate N=NHO3 B=NaOH S=S2O82- O=Other				
Sample Identification			Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers											Remarks
MW-1R	11/21/19	1415	X				X		3	X											
MW-2	11/21/19	1115	X				X		3	X											
MW-7	11/21/19	1335	X				X		3	X											
MW-15	11/21/19	1250	X				X		3	X											
MW-16D(95)	11/21/19	1210	X				X		3	X											
MW-23D	11/21/19	0950	X				X		3	X											
MW-24	11/21/19	1025	X				X		3	X											
MW-25D(90)	11/21/19	0840	X				X		3	X											
PW-1(65)	11/21/19	1310	X				X		3	X											
RW-1	11/21/19		X				X		3	X											
Turnaround Time Requested (TAT) (please circle): Normal <input checked="" type="checkbox"/> Rush <input type="checkbox"/> (Rush TAT is subject to Lancaster Laboratories approval and surcharge.)										Relinquished by: <i>Charlie Brehn</i>		Date 11/21/19	Time 1930	Received by: <i>Cooler Room</i>	Date 11/21/19	Time 1930					
Date results are needed:										Relinquished by: <i>A. Horak</i>		Date 11/21/19	Time 1440	Received by: <i>Shelley</i>	Date 11/22/19	Time 1440					
Rush results requested by (please circle): Phone <input type="checkbox"/> Fax <input type="checkbox"/> E-mail <input type="checkbox"/>										Relinquished by: <i>Shelley</i>		Date 11/22/19	Time 1750	Received by: <i>Shelley</i>	Date	Time					
Phone #: _____ Fax #: _____										Relinquished by: <i>Shelley</i>		Date	Time	Received by: <i>Shelley</i>	Date	Time					
E-mail address: _____										Relinquished by: <i>Shelley</i>		Date	Time	Received by: <i>Shelley</i>	Date	Time					
Data Package Options (please circle if required)			SDG Complete?			Yes No			Relinquished by: <i>Shelley</i>		Date	Time	Received by: <i>Shelley</i>	Date	Time						
Type I (validation/NJ reg)	TX-TRRP-13								Relinquished by: <i>Shelley</i>		Date	Time	Received by: <i>Shelley</i>	Date	Time						
Type II (Tier II)	MA MCP	CT RCP							Relinquished by: <i>Shelley</i>		Date	Time	Received by: <i>Shelley</i>	Date	Time						
Type III (Reduced NJ)			State-specific QC (MS/MSD/Dup)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						Relinquished by: <i>Shelley</i>		Date	Time	Received by: <i>Shelley</i>	Date	Time						
Type IV (CLP SOW)			(If yes, indicated QC sample and submit triplecate volume)						Relinquished by: <i>Shelley</i>		Date	Time	Received by: <i>Shelley</i>	Date	Time						
Type VI (Raw Data Only)			Internal COC required? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						Relinquished by: <i>Shelley</i>		Date	Time	Received by: <i>Shelley</i>	Date	Time						

Lancaster Laboratories, Inc. 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 717-656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client

Client: Fairfax Petroleum**Delivery and Receipt Information**

Delivery Method:	<u>ELLE Courier</u>	Arrival Date:	<u>11/22/2019</u>
Number of Packages:	<u>1</u>	Number of Projects:	<u>1</u>
State/Province of Origin:	<u>VA</u>		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	Total Trip Blank Qty:	4
Samples Chilled:	Yes	Trip Blank Type:	HCl
Paperwork Enclosed:	Yes	Air Quality Samples Present:	No
Samples Intact:	Yes		
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

*Unpacked by Amy Morrow***Samples Chilled Details**

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

<u>Cooler #</u>	<u>Matrix</u>	<u>Thermometer ID</u>	<u>Corrected Temp</u>	<u>Therm. Type</u>	<u>Ice Type</u>	<u>Ice Present?</u>	<u>Ice Container</u>	<u>Elevated Temp?</u>
1	Water	DT42-01	0.4	DT	Wet	Y	Loose	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	mL	milliliter(s)
C	degrees Celsius	MPN	Most Probable Number
cfu	colony forming units	N.D.	non-detect
CP Units	cobalt-chloroplatinate units	ng	nanogram(s)
F	degrees Fahrenheit	NTU	nephelometric turbidity units
g	gram(s)	pg/L	picogram/liter
IU	International Units	RL	Reporting Limit
kg	kilogram(s)	TNTC	Too Numerous To Count
L	liter(s)	µg	microgram(s)
lb.	pound(s)	µL	microliter(s)
m3	cubic meter(s)	umhos/cm	micromhos/cm
meq	milliequivalents	MCL	Maximum Contamination Limit
mg	milligram(s)		
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

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Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
K1	Initial Calibration Blank is above the QC limit and the sample result is ND
K2	Continuing Calibration Blank is above the QC limit and the sample result is ND
K3	Initial Calibration Verification is above the QC limit and the sample result is ND
K4	Continuing Calibration Verification is above the QC limit and the sample result is ND
J (or G, I, X)	Estimated value >= the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column >40%. The lower result is reported.
P^	Concentration difference between the primary and confirmation column > 40%. The higher result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.

Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.



ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Kleinfelder
550 West C Street, Suite 1200
San Diego CA 92101

Report Date: December 13, 2019 17:44

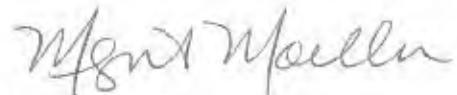
Project: Fairfax 26140

Account #: 12152
Group Number: 2076443
PO Number: 00109816.00A
State of Sample Origin: VA

Electronic Copy To Kleinfelder
Electronic Copy To Kleinfelder
Electronic Copy To Kleinfelder
Electronic Copy To Kleinfelder

Attn: Mark Steele
Attn: Nathan Stevens
Attn: Jennifer Kozak
Attn: Evan McMullen

Respectfully Submitted,



Megan A. Moeller
Senior Specialist

(717) 556-7261

To view our laboratory's current scopes of accreditation please go to <https://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/certifications-and-accreditations-eurofins-lancaster-laboratories-environmental/>. Historical copies may be requested through your project manager.



SAMPLE INFORMATION

<u>Client Sample Description</u>	<u>Sample Collection Date/Time</u>	<u>ELLE#</u>
MW-17D(75) Grab Water	11/21/2019 08:00	1210632
MW-17D(81) Grab Water	11/21/2019 09:00	1210633
MW-17D(87.75) Grab Water	11/21/2019 09:45	1210634
MW-17D(92) Grab Water	11/21/2019 10:40	1210635
MW-17D(117) Grab Water	11/21/2019 11:50	1210636
MW-17D(129.75) Grab Water	11/21/2019 13:00	1210637
MW-17D(147) Grab Water	11/21/2019 14:00	1210638

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

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Sample Description: MW-17D(75) Grab Water
Fairfax 26140

Kleinfelder
ELLE Sample #: WW 1210632
ELLE Group #: 2076443
Matrix: Water

Project Name: Fairfax 26140

Submittal Date/Time: 11/22/2019 18:15
Collection Date/Time: 11/21/2019 08:00

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	t-Amyl methyl ether	994-05-8	200	20	20
10335	Benzene	71-43-2	< 20	20	20
10335	t-Butyl alcohol	75-65-0	3,800	500	20
10335	Ethyl t-butyl ether	637-92-3	< 20	20	20
10335	Ethylbenzene	100-41-4	< 20	20	20
10335	di-Isopropyl ether	108-20-3	320	20	20
10335	Methyl Tertiary Butyl Ether	1634-04-4	16,000	200	200
10335	Toluene	108-88-3	< 20	20	20
10335	Xylene (Total)	1330-20-7	< 60	60	20

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	N193382AA	12/05/2019 03:30	Kevin A Sposito	20
10335	BTEX + 5 Oxys	SW-846 8260B	1	N193382AA	12/05/2019 03:52	Kevin A Sposito	200
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N193382AA	12/05/2019 03:29	Kevin A Sposito	20
01163	GC/MS VOA Water Prep	SW-846 5030B	2	N193382AA	12/05/2019 03:51	Kevin A Sposito	200

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Sample Description: MW-17D(81) Grab Water
Fairfax 26140

Kleinfelder
ELLE Sample #: WW 1210633
ELLE Group #: 2076443
Matrix: Water

Project Name: Fairfax 26140

Submittal Date/Time: 11/22/2019 18:15
Collection Date/Time: 11/21/2019 09:00

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	t-Amyl methyl ether	994-05-8	180	20	20
10335	Benzene	71-43-2	< 20	20	20
10335	t-Butyl alcohol	75-65-0	2,600	500	20
10335	Ethyl t-butyl ether	637-92-3	< 20	20	20
10335	Ethylbenzene	100-41-4	< 20	20	20
10335	di-Isopropyl ether	108-20-3	350	20	20
10335	Methyl Tertiary Butyl Ether	1634-04-4	14,000	200	200
10335	Toluene	108-88-3	< 20	20	20
10335	Xylene (Total)	1330-20-7	< 60	60	20

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	N193382AA	12/05/2019 04:14	Kevin A Sposito	20
10335	BTEX + 5 Oxys	SW-846 8260B	1	N193382AA	12/05/2019 04:36	Kevin A Sposito	200
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N193382AA	12/05/2019 04:13	Kevin A Sposito	20
01163	GC/MS VOA Water Prep	SW-846 5030B	2	N193382AA	12/05/2019 04:35	Kevin A Sposito	200

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Sample Description: MW-17D(87.75) Grab Water
Fairfax 26140**Kleinfelder**
ELLE Sample #: WW 1210634
ELLE Group #: 2076443
Matrix: Water**Project Name:** Fairfax 26140Submittal Date/Time: 11/22/2019 18:15
Collection Date/Time: 11/21/2019 09:45

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	t-Butyl alcohol	75-65-0	< 25	25	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	1	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	28	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 3	3	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	N193381AA	12/04/2019 13:46	Corie Mellinger	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N193381AA	12/04/2019 13:45	Corie Mellinger	1

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Sample Description: MW-17D(92) Grab Water
Fairfax 26140

Kleinfelder
ELLE Sample #: WW 1210635
ELLE Group #: 2076443
Matrix: Water

Project Name: Fairfax 26140

Submittal Date/Time: 11/22/2019 18:15
Collection Date/Time: 11/21/2019 10:40

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	t-Butyl alcohol	75-65-0	< 25	25	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	6	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 3	3	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	N193381AA	12/04/2019 14:08	Corie Mellinger	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N193381AA	12/04/2019 14:07	Corie Mellinger	1

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Sample Description: MW-17D(117) Grab Water
Fairfax 26140**Kleinfelder**
ELLE Sample #: WW 1210636
ELLE Group #: 2076443
Matrix: Water**Project Name:** Fairfax 26140Submittal Date/Time: 11/22/2019 18:15
Collection Date/Time: 11/21/2019 11:50

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	t-Amyl methyl ether	994-05-8	< 5	5	5
10335	Benzene	71-43-2	< 5	5	5
10335	t-Butyl alcohol	75-65-0	< 130	130	5
10335	Ethyl t-butyl ether	637-92-3	< 5	5	5
10335	Ethylbenzene	100-41-4	< 5	5	5
10335	di-Isopropyl ether	108-20-3	6	5	5
10335	Methyl Tertiary Butyl Ether	1634-04-4	220	5	5
10335	Toluene	108-88-3	< 5	5	5
10335	Xylene (Total)	1330-20-7	< 15	15	5

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	N193391AA	12/05/2019 12:43	Corie Mellinger	5
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N193391AA	12/05/2019 12:42	Corie Mellinger	5

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Sample Description: MW-17D(129.75) Grab Water
Fairfax 26140**Kleinfelder**
ELLE Sample #: WW 1210637
ELLE Group #: 2076443
Matrix: Water**Project Name:** Fairfax 26140**Submittal Date/Time:** 11/22/2019 18:15
Collection Date/Time: 11/21/2019 13:00

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B					
10335	t-Amyl methyl ether	994-05-8	26	ug/l	2
10335	Benzene	71-43-2	< 2	ug/l	2
10335	t-Butyl alcohol	75-65-0	320	ug/l	2
10335	Ethyl t-butyl ether	637-92-3	< 2	ug/l	2
10335	Ethylbenzene	100-41-4	< 2	ug/l	2
10335	di-Isopropyl ether	108-20-3	55	ug/l	2
10335	Methyl Tertiary Butyl Ether	1634-04-4	1,500	ug/l	20
10335	Toluene	108-88-3	< 2	ug/l	2
10335	Xylene (Total)	1330-20-7	< 6	ug/l	2

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	N193382AA	12/05/2019 05:43	Kevin A Sposito	2
10335	BTEX + 5 Oxys	SW-846 8260B	1	N193382AA	12/05/2019 06:05	Kevin A Sposito	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N193382AA	12/05/2019 05:42	Kevin A Sposito	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2	N193382AA	12/05/2019 06:04	Kevin A Sposito	20

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Sample Description: MW-17D(147) Grab Water
Fairfax 26140

Kleinfelder
ELLE Sample #: WW 1210638
ELLE Group #: 2076443
Matrix: Water

Project Name: Fairfax 26140

Submittal Date/Time: 11/22/2019 18:15
Collection Date/Time: 11/21/2019 14:00

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	t-Amyl methyl ether	994-05-8	30	5	5
10335	Benzene	71-43-2	< 5	5	5
10335	t-Butyl alcohol	75-65-0	590	130	5
10335	Ethyl t-butyl ether	637-92-3	< 5	5	5
10335	Ethylbenzene	100-41-4	< 5	5	5
10335	di-Isopropyl ether	108-20-3	45	5	5
10335	Methyl Tertiary Butyl Ether	1634-04-4	2,000	50	50
10335	Toluene	108-88-3	< 5	5	5
10335	Xylene (Total)	1330-20-7	< 15	15	5

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	N193382AA	12/05/2019 06:27	Kevin A Sposito	5
10335	BTEX + 5 Oxys	SW-846 8260B	1	N193382AA	12/05/2019 06:49	Kevin A Sposito	50
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N193382AA	12/05/2019 06:26	Kevin A Sposito	5
01163	GC/MS VOA Water Prep	SW-846 5030B	2	N193382AA	12/05/2019 06:48	Kevin A Sposito	50

Quality Control Summary

Client Name: Kleinfelder
Reported: 12/13/2019 17:44

Group Number: 2076443

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result ug/l	LOQ ug/l
Batch number: N193381AA		
t-Amyl methyl ether	< 1	1
Benzene	< 1	1
t-Butyl alcohol	< 25	25
Ethyl t-butyl ether	< 1	1
Ethylbenzene	< 1	1
di-Isopropyl ether	< 1	1
Methyl Tertiary Butyl Ether	< 1	1
Toluene	< 1	1
Xylene (Total)	< 3	3
Batch number: N193382AA		
t-Amyl methyl ether	< 1	1
Benzene	< 1	1
t-Butyl alcohol	< 25	25
Ethyl t-butyl ether	< 1	1
Ethylbenzene	< 1	1
di-Isopropyl ether	< 1	1
Methyl Tertiary Butyl Ether	< 1	1
Toluene	< 1	1
Xylene (Total)	< 3	3
Batch number: N193391AA		
t-Amyl methyl ether	< 1	1
Benzene	< 1	1
t-Butyl alcohol	< 25	25
Ethyl t-butyl ether	< 1	1
Ethylbenzene	< 1	1
di-Isopropyl ether	< 1	1
Methyl Tertiary Butyl Ether	< 1	1
Toluene	< 1	1
Xylene (Total)	< 3	3

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
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*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Kleinfelder
Reported: 12/13/2019 17:44

Group Number: 2076443

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: N193381AA									
t-Amyl methyl ether	20	19.32	20	19.4	97	97	66-120	0	30
Benzene	20	21.72	20	21.92	109	110	80-120	1	30
t-Butyl alcohol	200	207.8	200	208.28	104	104	60-130	0	30
Ethyl t-butyl ether	20	19.75	20	19.86	99	99	68-121	1	30
Ethylbenzene	20	21.94	20	21.67	110	108	80-120	1	30
di-Isopropyl ether	20	20.8	20	20.72	104	104	70-124	0	30
Methyl Tertiary Butyl Ether	20	20.34	20	20.62	102	103	69-122	1	30
Toluene	20	21.71	20	21.39	109	107	80-120	1	30
Xylene (Total)	60	65.5	60	64.39	109	107	80-120	2	30
Batch number: N193382AA									
t-Amyl methyl ether	20	21.32	20	21.02	107	105	66-120	1	30
Benzene	20	23.41	20	22.99	117	115	80-120	2	30
t-Butyl alcohol	200	232.71	200	242.74	116	121	60-130	4	30
Ethyl t-butyl ether	20	21.69	20	21.49	108	107	68-121	1	30
Ethylbenzene	20	23.45	20	23.19	117	116	80-120	1	30
di-Isopropyl ether	20	22.36	20	22.29	112	111	70-124	0	30
Methyl Tertiary Butyl Ether	20	22.32	20	21.76	112	109	69-122	3	30
Toluene	20	22.97	20	22.93	115	115	80-120	0	30
Xylene (Total)	60	69.83	60	69.07	116	115	80-120	1	30
Batch number: N193391AA									
t-Amyl methyl ether	20	19.1	20	19.69	96	98	66-120	3	30
Benzene	20	21.5	20	21.92	108	110	80-120	2	30
t-Butyl alcohol	200	219.88	200	235.15	110	118	60-130	7	30
Ethyl t-butyl ether	20	19.1	20	19.85	96	99	68-121	4	30
Ethylbenzene	20	22.45	20	22.91	112	115	80-120	2	30
di-Isopropyl ether	20	20.24	20	20.76	101	104	70-124	3	30
Methyl Tertiary Butyl Ether	20	19.81	20	20.46	99	102	69-122	3	30
Toluene	20	22.05	20	22.73	110	114	80-120	3	30
Xylene (Total)	60	66.57	60	68.09	111	113	80-120	2	30

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Kleinfelder
Reported: 12/13/2019 17:44

Group Number: 2076443

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: BTEX + 5 Oxys
Batch number: N193381AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
1210634	101	101	99	94
1210635	101	103	99	96
Blank	100	103	99	95
LCS	100	100	101	103
LCSD	100	101	100	101
Limits:	80-120	80-120	80-120	80-120

Analysis Name: BTEX + 5 Oxys
Batch number: N193382AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
1210632	98	100	100	96
1210633	99	101	100	97
1210637	100	100	99	95
1210638	99	103	100	96
Blank	99	101	100	96
LCS	100	100	100	101
LCSD	100	101	101	101
Limits:	80-120	80-120	80-120	80-120

Analysis Name: BTEX + 5 Oxys
Batch number: N193391AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
1210636	99	103	102	94
Blank	99	98	102	95
LCS	100	100	103	99
LCSD	99	100	103	100
Limits:	80-120	80-120	80-120	80-120

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.



Analysis Request/Environmental Services Chain of Custody

For Lancaster Laboratories use only Acct. #: 12152

Group #: _____ Sample #:

2076443 1210632-39

Lancaster Laboratories, Inc. 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 717-656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

Client: Fairfax Petroleum**Delivery and Receipt Information**

Delivery Method:	<u>ELLE Courier</u>	Arrival Date:	<u>11/22/2019</u>
Number of Packages:	<u>1</u>	Number of Projects:	<u>1</u>
State/Province of Origin:	<u>VA</u>		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	Total Trip Blank Qty:	4
Samples Chilled:	Yes	Trip Blank Type:	HCl
Paperwork Enclosed:	Yes	Air Quality Samples Present:	No
Samples Intact:	Yes		
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

*Unpacked by Amy Morrow***Samples Chilled Details**

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

<u>Cooler #</u>	<u>Matrix</u>	<u>Thermometer ID</u>	<u>Corrected Temp</u>	<u>Therm. Type</u>	<u>Ice Type</u>	<u>Ice Present?</u>	<u>Ice Container</u>	<u>Elevated Temp?</u>
1	Water	DT42-01	0.4	DT	Wet	Y	Loose	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	mL	milliliter(s)
C	degrees Celsius	MPN	Most Probable Number
cfu	colony forming units	N.D.	non-detect
CP Units	cobalt-chloroplatinate units	ng	nanogram(s)
F	degrees Fahrenheit	NTU	nephelometric turbidity units
g	gram(s)	pg/L	picogram/liter
IU	International Units	RL	Reporting Limit
kg	kilogram(s)	TNTC	Too Numerous To Count
L	liter(s)	µg	microgram(s)
lb.	pound(s)	µL	microliter(s)
m3	cubic meter(s)	umhos/cm	micromhos/cm
meq	milliequivalents		
mg	milligram(s)	MCL	Maximum Contamination Limit
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
K1	Initial Calibration Blank is above the QC limit and the sample result is ND
K2	Continuing Calibration Blank is above the QC limit and the sample result is ND
K3	Initial Calibration Verification is above the QC limit and the sample result is ND
K4	Continuing Calibration Verification is above the QC limit and the sample result is ND
J (or G, I, X)	Estimated value >= the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column >40%. The lower result is reported.
P^	Concentration difference between the primary and confirmation column > 40%. The higher result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

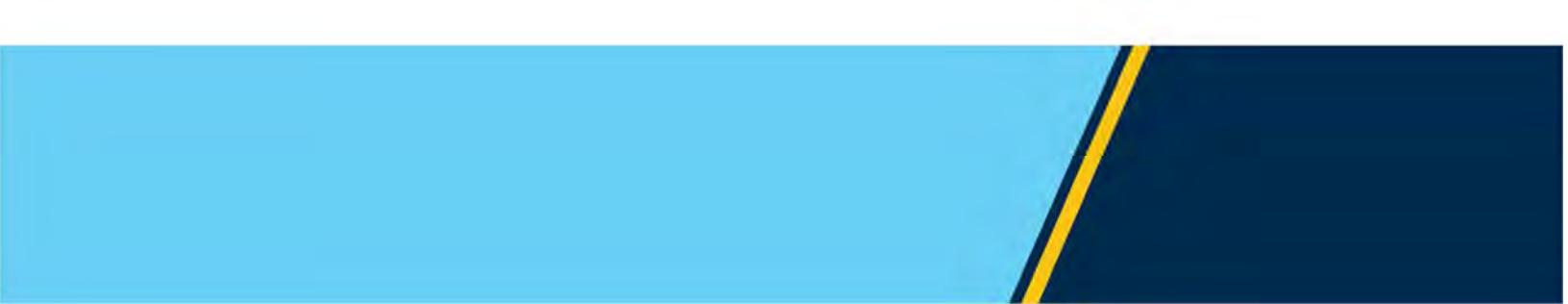
Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.

Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.



APPENDIX B

PC #2003-3230 2nd Half 2019 Groundwater Monitoring Report



Motiva Enterprises, LLC

2nd Half 2019 Semi-Annual Groundwater Monitoring Report

Former Shell Station
9829 Georgetown Pike
Great Falls, Virginia
PC# 2003-3230

January 16, 2020

Version 1.0



2nd Half 2019 Semi-Annual Groundwater Monitoring Report

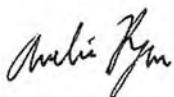
Former Shell Station
9829 Georgetown Pike
Great Falls, Virginia
PC# 2003-3230

Prepared for:
Motiva Enterprises, LLC
7765 Lake Worth Road #319
Lake Worth, Florida 33467

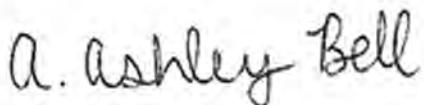
Prepared by:
Groundwater & Environmental Services, Inc.
1350 Blair Drive, Suite A
Odenton, MD 21113
TEL: 800-220-3606
www.gesonline.com

GES Project:
0403201

Date:
January 16, 2020



Amelia Ryan
Associate Engineer



A. Ashley Bell, PG
Senior Project Manager

SITE NAME: Former Shell Station

SITE LOCATION: 9829 Georgetown Pike, Great Falls, Virginia

VADEQ PC# 2003-3230

DATE OF REPORT: January 16, 2020

LAND USE CLASSIFICATION: Industrial/Commercial

CURRENT PROPERTY OWNER: Motiva Enterprises, LLC
7765 Lake Worth Road #319
Lake Worth, FL 33467

CONSULTANT: Groundwater & Environmental Services, Inc.
1350 Blair Drive, Suite A
Odenton, Maryland 21113
(800) 220-3606

RELEASE INFORMATION: Release from former underground storage tank basin and dispenser area

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- Figure 2 – Site Map
- Figure 3 – Groundwater Monitoring Map – November 25, 2019
- Figure 4 – MTBE Isoconcentration Map – November 25, 2019

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Appendices

- Appendix A – Local Area Map (Kleinfelder, 2014)
- Appendix B – Laboratory Report and Chain-of-Custody Documentation for Groundwater
- Appendix C – MTBE Mann-Kendall Constituent Trend Analysis

Acronyms

BGS	Below Ground Surface
BTEX	Benzene, Toluene, Ethylbenzene, Xylenes
COC	Constituents of Concern
GES	Groundwater & Environmental Services, Inc.
EIP	Electronic Interface Probe
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
LNAPL	Light Non-Aqueous Phase Liquid
MDL	Method Detection Limit
MTBE	Methyl Tertiary Butyl Ether
MW	Monitoring Well
PC	Pollution Complaint
PVC	Polyvinyl Chloride
SCR	Site Characterization Report
TPH	Total Petroleum Hydrocarbons
TPH-GRO	Total Petroleum Hydrocarbons – Gasoline Range Organics
µg/L	Micrograms per Liter
UST	Underground Storage Tank
VOC	Volatile Organic Compound
VADEQ	Virginia Department of Environmental Quality

1 Introduction

Groundwater & Environmental Services, Inc. (GES) has prepared this 2nd Half 2019 Semi-Annual Groundwater Monitoring Report on behalf of Motiva Enterprises, LLC (Motiva), documenting environmental monitoring activities performed at the Former Shell Station located at 9829 Georgetown Pike, Great Falls, VA (Site) with associated Pollution Complaint (PC) #2003-3230. The semi-annual groundwater monitoring activities were performed as directed by the Virginia Department of Environmental Quality (VADEQ) in the *Site Characterization Report* (SCR) response directive dated September 19, 2018. The VADEQ directive requested the monitoring of select monitoring well locations be performed semi-annually for a minimum of four events to evaluate dissolved phase methyl tert-butyl ether (MTBE) concentration trends and to measure concentrations of other petroleum constituents. The Site is the location of an active retail gasoline and auto repair service station. A Site Location Map showing the general area is included as **Figure 1** and a Site Map depicting pertinent features of the Site and adjacent areas is provided as **Figure 2**.

This summary report documents the following monitoring activities during the 2nd Half 2019 Semi-Annual period including:

- Gauging of 12 select Site monitoring wells (MWs) including: W-1, W-2, W-7, MW-20D(73-83), MW-20D(90-100), MW-20D(132-142), MW-21S/I, MW-22, MW-27S/I and MW-B3 to measure groundwater elevations; and
- Semi-annual sampling of groundwater from select MWs including: W-1, W-2, W-7, MW-20D(73-83), MW-20D(90-100), MW-20D(132-142), MW-21S/I, MW-22, and MW-27S/I to monitor MTBE concentration trends. MW-B3 could not be sampled as it was dry.

1.1 Site History

On July 5, 1990, the VADEQ assigned PC #90-1792 to the former Shell facility located at the Site due to the discovery of petroleum hydrocarbon constituents in soil and groundwater during a pre-underground storage tank (UST) removal assessment. Subsequent soil and groundwater sampling identified concentrations of benzene, toluene, ethylbenzene, and xylenes (BTEX) in soil and groundwater. Upon further sampling and delineation, dissolved concentrations of MTBE and total petroleum hydrocarbons (TPH) were also identified in groundwater. Following six years of monitoring, PC#90-1972 was closed on July 9, 1996 by approval of the VADEQ.

After petroleum related constituents were identified at the Site as part of a site investigation performed by Equiva Services, LLC (Equiva) in April 2003, the VADEQ issued PC#2003-3230. Following the review of data documented in the Groundwater Assessment Report, it was determined that concentrations resembled historical concentrations for the Site and the VADEQ approved case closure in April 2003.

On January 12, 2009, Advanced Environmental, LLC submitted a Baseline Environmental Site Assessment Report to the VADEQ following the sampling of seven existing MWs on behalf of DAG Petroleum Suppliers, LLC. BTEX, MTBE, naphthalene and TPH – Gasoline Range Organics

(TPH-GRO) were detected in groundwater at concentrations consistent with historical reported concentrations.

On August 14, 2009 the VADEQ assigned PC #2010-3028 to the former Exxon station located upgradient and across Walker Road from the Site at 9901 Georgetown Pike, following a Phase II Site Assessment identifying dissolved phase hydrocarbons and fuel oxygenates. An SCR conducted at the former Exxon station identified MTBE concentrations of up to 226,000 micrograms per liter ($\mu\text{g}/\text{L}$) in groundwater upgradient of the former Shell station in September 2009. From 2009-2013, MTBE concentrations remained stable. Fairfax Petroleum Realty, LLC submitted a Corrective Action Plan for PC #2010-3028 on November 22, 2013. MTBE concentrations in W-1 and W-2 at the former Shell station rose to 26,000 $\mu\text{g}/\text{L}$ and 14,000 $\mu\text{g}/\text{L}$, respectively, indicating likely plume migration from the former Exxon station. During 2014, Fairfax Petroleum Realty, LLC began operating soil vapor and groundwater extraction systems. MTBE concentrations at the former Shell station began to decrease following system operation, with concentrations in W-1 falling to 16,000 $\mu\text{g}/\text{L}$ in 2015 and 7,600 $\mu\text{g}/\text{L}$ in 2017.

On May 18, 2017, the Virginia Department of Environmental Quality (VADEQ) reopened PC #2003-3230 for the former Shell station based on Fairfax Petroleum Realty, LLC findings and requested the completion of a SCR. Three additional soil borings were installed near the source area, including one monitoring well (MW-B3) and groundwater sampling activities were conducted as documented within the SCR submitted to the VADEQ on August 31, 2018. On September 19, 2018, the VADEQ sent a directive letter requiring semi-annual monitoring for a minimum of four events in select MWs to evaluate MTBE concentration trends and to document groundwater concentrations of other petroleum constituents. The initial VADEQ directive requested groundwater samples to be analyzed for full suite volatile organic compounds (VOCs), but through email correspondence and VADEQ approval, the analyte list was reduced to BTEX, MTBE and TPH-GRO.

GES submitted the *2nd Half 2018 Semi-Annual Groundwater Monitoring Report* to VADEQ on January 31, 2019, documenting the activities completed during the 2nd Half 2018 reporting period including groundwater sampling activities conducted in December 2018. GES submitted the *1st Half 2019 Semi-Annual Groundwater Monitoring Report* to VADEQ on July 24, 2019, documenting the activities completed during the 1st Half 2019 reporting period including groundwater sampling activities conducted in May 2019. Groundwater samples collected in December 2018 and May 2019 for MTBE and TPH-GRO showed decreases in most Site wells.

1.2 Surrounding Properties & Potential Receptors

The area surrounding the site consists primarily of commercial and residential properties and public spaces. To the north of the Site are commercial buildings, Leo Santabella Park, and a public library across Georgetown Pike. To the northeast of the Site are Great Falls Grange Park and residential properties across Georgetown Pike. To the east and southeast of the Site are the Great Falls Shopping Center followed by undeveloped land and residential properties. To the south of the Site are the Great Falls Shopping Center followed by commercial and residential

properties. To the west of the Site are commercial properties across Walker Road followed by a post office and residential properties.

The nearest surface water bodies are a pond and intermittent stream located approximately 1,100 feet southwest of the Site. The Site and immediate area surrounding the Site are supplied by public water; however, a number of residents in the area have private potable wells. The closest private potable well to the Site is located approximately 790 feet east of well W-1 at 706 Innsbruck Avenue. Additional private potable wells are located to the southwest and southeast. A Local Area Map showing potable well locations in the area was completed by Kleinfelder in 2014 and is attached as **Appendix A**.

2 Semi-Annual Monitoring Activities

The 2nd Half 2019 Semi-Annual scope of work was directed by the VADEQ as defined in the September 19, 2018 directive letter and subsequent email correspondence. The following activities were conducted during this monitoring period:

- Gauging of 12 select Site MWs including: W-1, W-2, W-7, MW-20D(73-83), MW-20D(90-100), MW-20D(132-142), MW-21S/I, MW-22, MW-27S/I and MW-B3 to measure groundwater elevations; and
- Groundwater sample collection from select MWs including: W-1, W-2, W-7, MW-20D(73-83), MW-20D(90-100), MW-20D(132-142), MW-21S/I, MW-22, and MW-27S/I for analysis of BTEX and MTBE via Environmental Protection Agency (EPA) Method 8260C and TPH-GRO via EPA Method 8015C. MW-B3 could not be sampled as it was dry.

Groundwater samples were collected in polyvinyl chloride (PVC) bailers following the purging of each location of three well volumes utilizing a decontaminated submersible pump and disposable polyethylene tubing. Groundwater samples were containerized in laboratory supplied bottleware, placed on ice within a cooler and couriered to Eurofins Lancaster Laboratories in Lancaster, Pennsylvania (Eurofins). The laboratory analytical report and chain-of-custody documentation are attached as **Appendix B**. As requested by the VADEQ, the monitoring event was coordinated with the consultant for Fairfax Petroleum Realty, with sample collection occurring on November 25, 2019.

2.1 Hydrogeology

An electronic interface probe (EIP) capable of measuring groundwater to the nearest 0.01 foot was used to gauge the selected MWs. The 2nd Half 2019 Semi-Annual gauging data are presented in **Table 1**. Light non-aqueous phase liquids (LNAPL) were not detected during the 2nd Half 2019 Semi-Annual activities.

Groundwater depths ranged from 28.97 feet below ground surface (bgs) in monitoring well MW-22 to 36.04 feet bgs in nested monitoring well MW-20D(132-142) during the 2nd Half 2019 Semi-Annual sampling event, which is deeper than May 2019 measurements but still shallower than most historical measurements by about a foot. The 1st Half 2019 groundwater depths were

shallower than recent historical measurements by approximately 2 – 7 feet across the site. Groundwater elevations had not been recorded this shallow since June 2014, prior to the start-up in August 2014 of the groundwater extraction system at the former Exxon station located at 9901 Georgetown Pike. The groundwater extraction system was turned off in August 2018. A Groundwater Monitoring Map depicting groundwater elevation data and analytical data from the November 25, 2019 event is included as **Figure 3**. The Groundwater Monitoring Map indicates groundwater flow to the southeast, which is consistent with the historical flow direction. The hydraulic gradient at the Site was calculated to be 0.0131 feet per foot between W-2 and MW-22.

3 Groundwater Analytical Results

On November 25, 2019, groundwater samples were collected from MWs: W-1, W-2, W-7, MW-20D(73-83), MW-20D(90-100), MW-20D(132-142), MW-21S/I, MW-22, and MW-27S/I. As detailed in sections above, groundwater samples were collected and submitted to Eurofins for analysis of BTEX and MTBE via EPA Method 8260C and TPH-GRO via EPA Method 8015C. During the November 25, 2019 sampling event, MTBE and TPH-GRO were the only constituents that met or exceeded their respective laboratory method detection limits (MDLs) at concentrations listed below:

- MTBE was detected in MWs W-1 (160 µg/L), W-2 (71 µg/L), MW-21S (1 µg/L), MW-21I (0.9 J µg/L), MW-27S (0.4 J), and MW-27I (0.5 J) exceeding the laboratory MDL of 0.08 µg/L; and
- TPH-GRO was detected in MWs W-1 (150 µg/L), W-2 (76 µg/L) and W-7 (140 µg/L) exceeding the laboratory MDL of 11 µg/L.

As seen above and included within the laboratory analytical report, J qualifiers are used for estimated values where the detected concentration is greater than or equal to the MDL, but less than the reporting limit. The most recent MTBE analytical results were compared to historical concentrations within the attached Mann-Kendall Constituent Trend Analysis (**Appendix C**). The Mann-Kendall analysis exhibits continued decreasing concentration trends in all sampled monitoring locations with the exceptions of MW-20D(73-83) (stable) and MW-21S, which calculates no current trend. After further review of the Mann-Kendall Trend Analyses it is apparent that even MW-20D(73-83) and MW-21S have decreased substantially since December 2016, with some fluctuations resulting in either stable or no trend calculations as a result of the Mann-Kendall equations. An MTBE Iso-concentration Map showing MTBE concentrations from the November 25, 2019 sampling event is provided as **Figure 4**.

TPH-GRO has historically not been analyzed at the Site. Three monitoring well locations had detectable concentrations of TPH-GRO with a maximum concentration of 150 µg/L in monitoring well W-1.

Groundwater analytical results are summarized in the Historical Groundwater Analytical Data Summary included as **Table 1**. The laboratory analytical reports and chain-of-custody documentation are provided in **Appendix B**.

4 Conclusions/Recommendations

GES has completed this 2nd Half 2019 Semi-Annual Groundwater Monitoring Report for the former Shell service station located at 9829 Georgetown Pike, Great Falls, VA. The following is a summary of pertinent findings from the 2nd Half 2019 monitoring conducted at the site:

- LNAPL was not observed during the reporting period;
- Groundwater flow and gradient is consistent with historical observations;
- MTBE concentrations in groundwater continue to decline, with a maximum concentration of 160 µg/L in monitoring well W-1; and
- TPH-GRO concentrations ranged from not detectable to a maximum concentration of 150 µg/L in monitoring well W-1.

Recommendations:

- Continue to monitor groundwater and concentrations in select onsite and offsite MWs during the 1st Half of 2020 for the fourth of four semi-annual monitoring events as required by the VADEQ directive.

Figures



SOURCE: USGS 7.5 MINUTE SERIES
TOPOGRAPHIC QUADRANGLE 1982
VIENNA, VIRGINIA
CONTOUR INTERVAL = 10'



QUADRANGLE LOCATION

Site Location Map

Former Shell Station
9829 Georgetown Pike
Great Falls, Virginia

Drawn
A.A.B
Designed

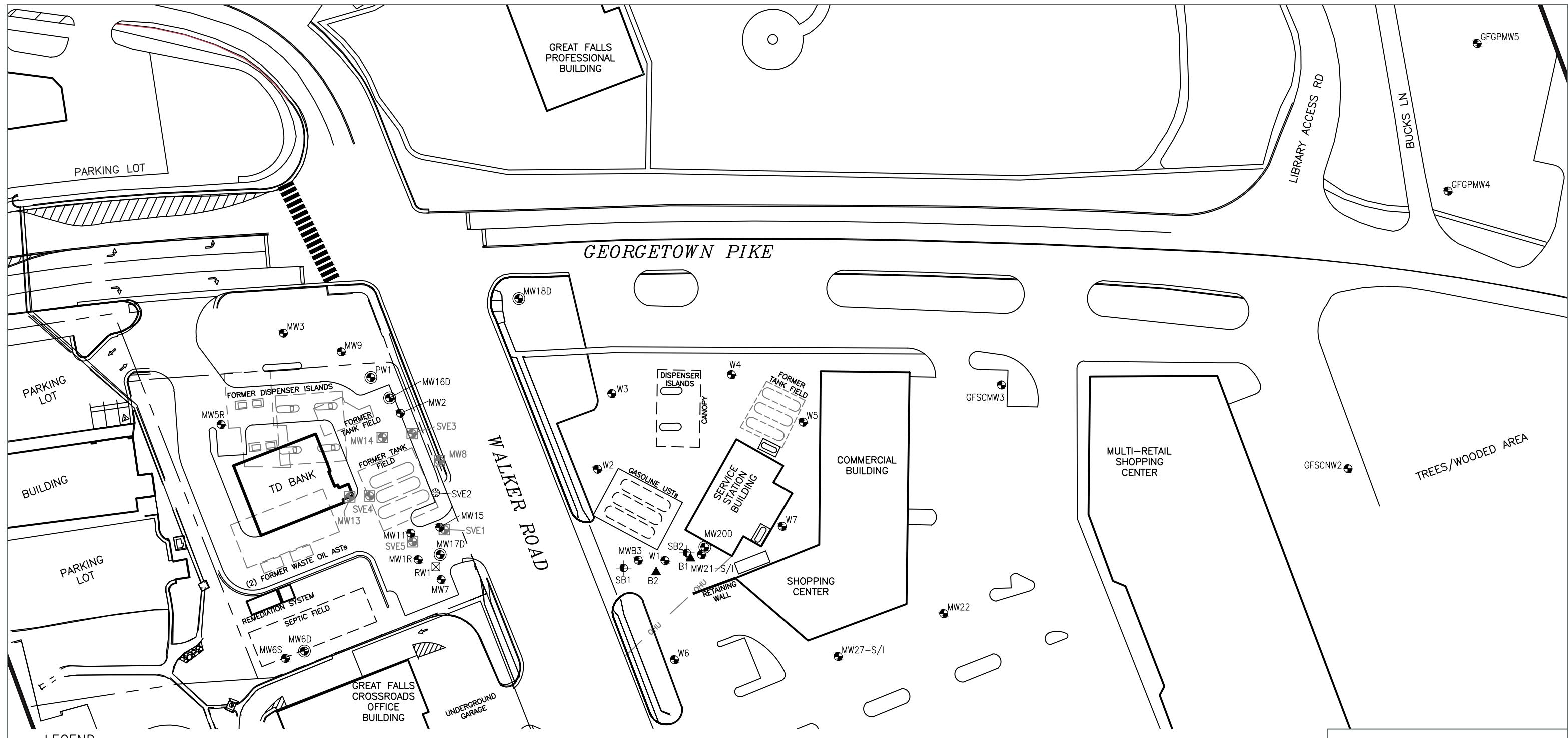
Approved
A.A.B

Date
08/24/18
Figure
1

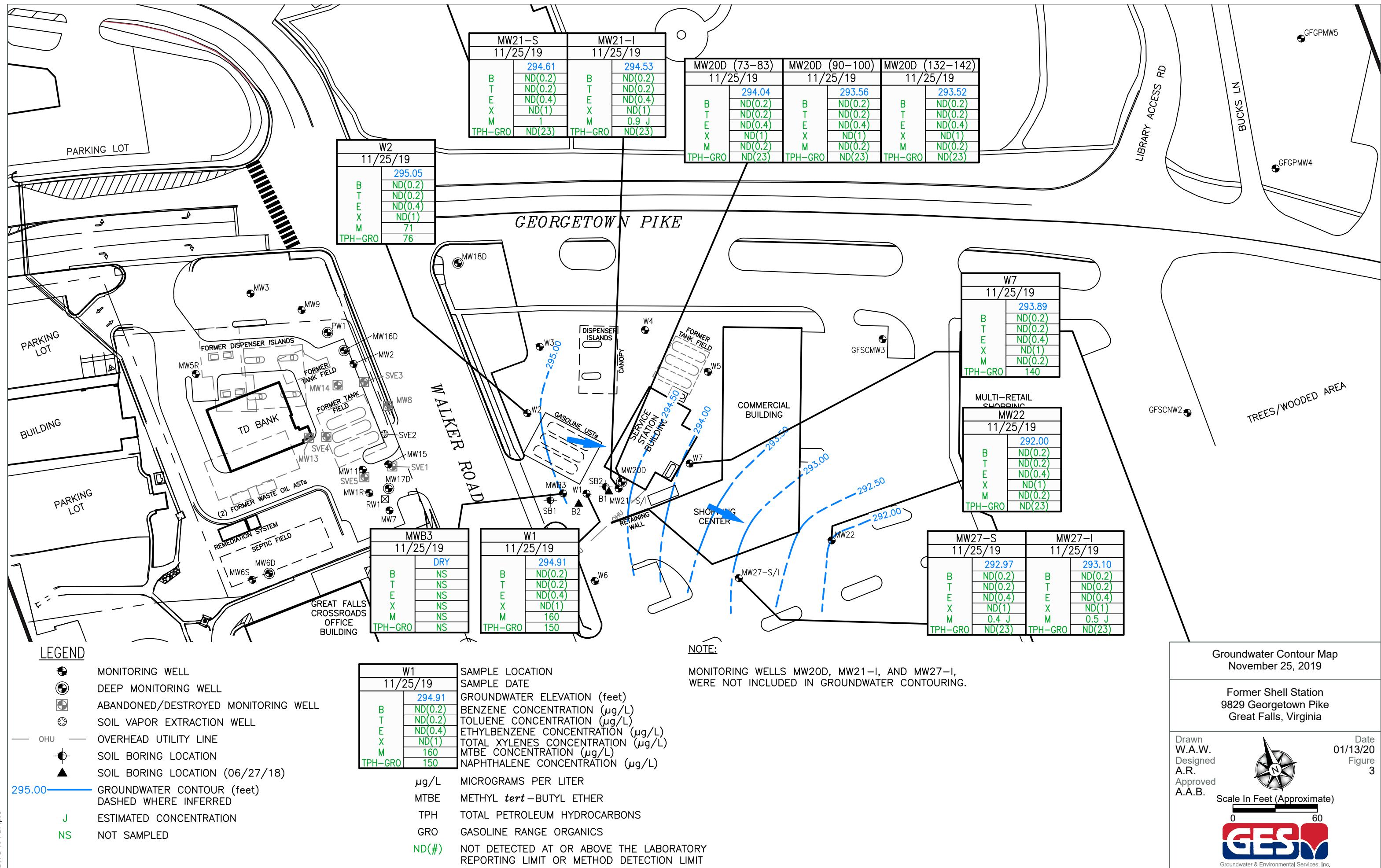


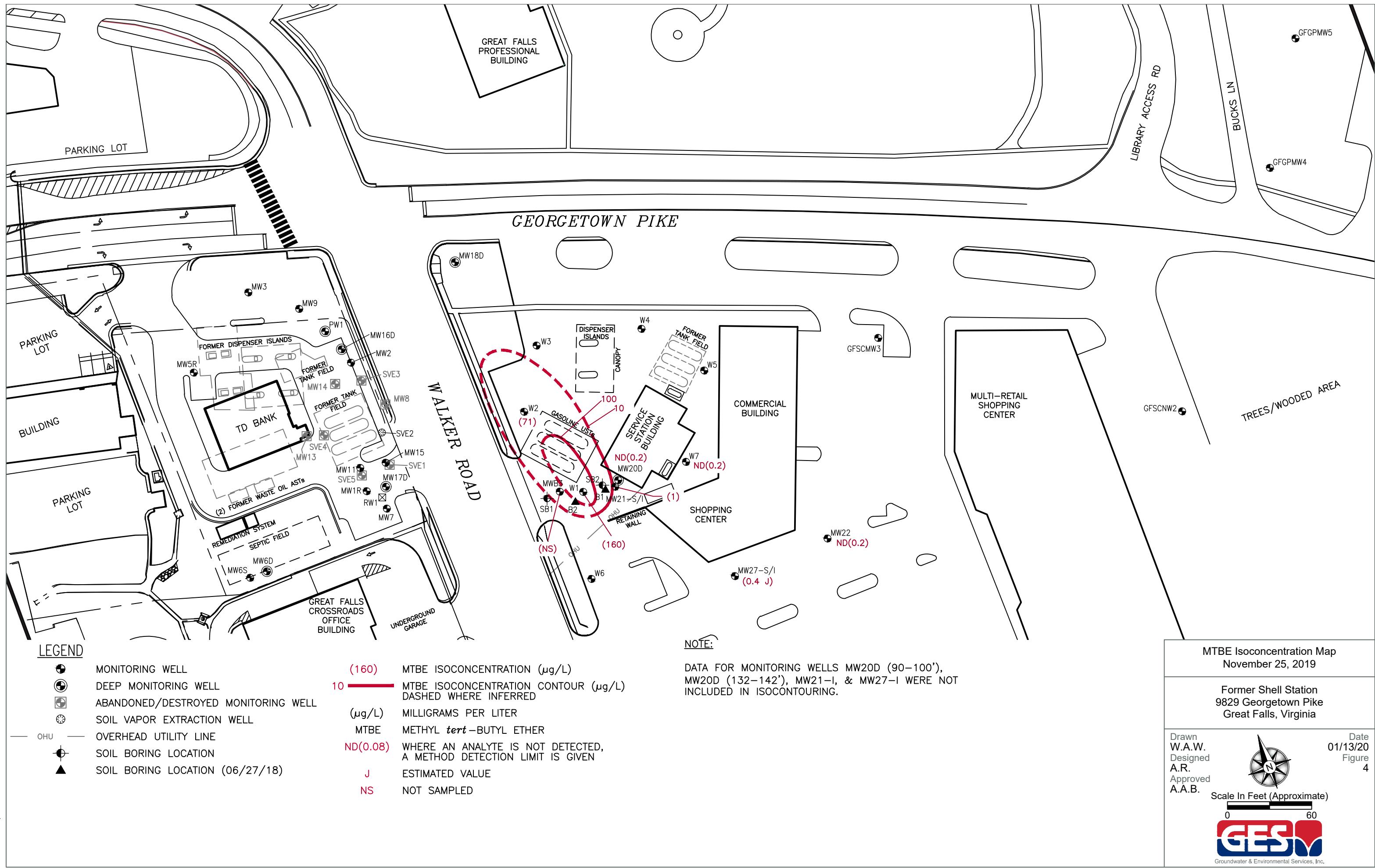
Scale In Feet

0 2000



Site Map	
Former Shell Station 9829 Georgetown Pike Great Falls, Virginia	
Drawn W.A.W.	Date 07/11/19
Designed T.B.	Figure 2
Approved A.A.B.	Scale In Feet (Approximate)
	0 60
 Groundwater & Environmental Services, Inc.	





Tables

Table 1

HISTORICAL GROUNDWATER ANALYTICAL DATA SUMMARY

Former Shell Station
9892 Georgetown Pike
Great Falls, Virginia

Well ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydrocarbon (feet)	Hydrocarbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	TPH-GRO (µg/L)	Comments
MW-20D(73-83)	4/11/2014	329.57	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	72	NS	Screened from 73-83'
	7/10/2014	329.57	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	100	NS	
	8/26/2014	329.57	31.26	ND	ND	298.31	ND(1)	ND(1)	ND(1)	ND(1)	100	NS	
	9/2/2014	329.57	33.62	ND	ND	295.95	ND(1)	ND(1)	ND(1)	ND(1)	120	NS	
	12/9/2014	329.57	36.52	ND	ND	293.05	NS	NS	NS	NS	NS	NS	
	3/12/2015	329.57	38.02	ND	ND	291.55	ND(2)	ND(2)	ND(2)	ND(2)	740	NS	
	3/27/2015	329.57	37.51	ND	ND	292.06	ND(1)	ND(1)	ND(1)	ND(1)	1400	NS	
	5/6/2015	329.57	36.48	ND	ND	293.09	ND(1)	ND(1)	ND(1)	ND(1)	980	NS	
	6/1/2015	329.57	36.52	ND	ND	293.05	ND(2)	ND(2)	ND(2)	ND(2)	940	NS	
	9/1/2015	329.57	38.69	ND	ND	290.88	ND(1)	ND(1)	ND(1)	ND(1)	990	NS	
	12/1/2015	329.57	38.97	ND	ND	290.60	ND(1)	ND(1)	ND(1)	ND(1)	900	NS	
	3/17/2016	329.57	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	680	NS	
	4/29/2016	329.57	35.41	ND	ND	294.16	ND(1)	ND(1)	ND(1)	ND(1)	670	NS	
	8/19/2016	329.57	36.56	ND	ND	293.01	2	ND(1)	ND(1)	ND(1)	740	NS	
	12/13/2016	329.57	37.70	ND	ND	291.87	ND(1)	ND(1)	ND(1)	ND(1)	570	NS	
	3/13/2017	329.57	38.41	ND	ND	291.16	ND(1)	ND(1)	ND(1)	ND(1)	400	NS	
	6/22/2017	329.57	38.31	ND	ND	291.26	NS	NS	NS	NS	NS	NS	
	8/28/2017	329.57	38.85	ND	ND	290.72	NS	NS	NS	NS	NS	NS	
	11/30/2017	329.57	39.46	ND	ND	290.11	NS	NS	NS	NS	NS	NS	
	3/08/2018	329.57	39.90	ND	ND	289.67	NS	NS	NS	NS	NS	NS	
	6/04/2018	329.57	37.43	ND	ND	292.14	NS	NS	NS	NS	NS	NS	
	7/26/2018	329.57	36.34	ND	ND	293.23	NS	NS	NS	NS	300	NS	
	12/04/2018	329.57	32.57	ND	ND	297.00	ND(0.03)	ND(0.1)	ND(0.05)	ND(0.1)	220	230	
	5/30/2019	329.57	31.20	ND	ND	298.37	ND(0.03)	ND(0.1)	ND(0.05)	ND(0.1)	230	200	
	11/25/2019	329.57	35.53	ND	ND	294.04	ND(0.2)	ND(0.2)	ND(0.4)	ND(1)	ND(0.2)	ND(23)	
MW-20D(90-100)	4/11/2014	329.58	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	55	NS	Screened from 90-100'
	7/10/2014	329.58	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	73	NS	
	8/26/2014	329.58	32.88	ND	ND	296.70	ND(1)	ND(1)	ND(1)	ND(1)	75	NS	
	9/2/2014	329.58	34.25	ND	ND	295.33	ND(1)	ND(1)	ND(1)	ND(1)	2	NS	
	12/9/2014	329.58	37.24	ND	ND	292.34	NS	NS	NS	NS	NS	NS	
	3/12/2015	329.58	38.22	ND	ND	291.36	ND(1)	ND(1)	ND(1)	ND(1)	1	NS	
	6/1/2015	329.58	36.72	ND	ND	292.86	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	9/1/2015	329.58	38.82	ND	ND	290.76	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	12/1/2015	329.58	39.42	ND	ND	290.16	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	3/17/2016	329.58	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	1	NS	
	4/29/2016	329.58	35.63	ND	ND	293.95	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	8/19/2016	329.58	37.30	ND	ND	292.28	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	12/13/2016	329.58	38.82	ND	ND	290.76	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	3/13/2017	329.58	39.03	ND	ND	290.55	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	6/22/2017	329.58	38.46	ND	ND	291.12	NS	NS	NS	NS	NS	NS	
	8/28/2017	329.58	39.40	ND	ND	290.18	NS	NS	NS	NS	NS	NS	
	11/30/2017	329.58	40.32	ND	ND	289.26	NS	NS	NS	NS	NS	NS	
	3/08/2018	329.58	10.00	ND	ND	289.58	NS	NS	NS	NS	NS	NS	
	6/04/2018	329.58	37.78	ND	ND	291.80	NS	NS	NS	NS	NS	NS	
	7/26/2018	329.58	36.64	ND	ND	292.94	NS	NS	NS	NS	ND(0.5)	NS	
	12/04/2018	329.58	32.60	ND	ND	296.98	ND(0.03)	ND(0.1)	ND(0.05)	ND(0.1)	0.2 J	ND(11)	
	5/30/2019	329.58	31.00	ND	ND	298.58	ND(0.03)	ND(0.1)	ND(0.05)	ND(0.1)	ND(0.08)	ND(11)	
	11/25/2019	329.58	36.02	ND	ND	293.56	ND(0.2)	ND(0.2)	ND(0.4)	ND(1)	ND(0.2)	ND(23)	

Table 1

HISTORICAL GROUNDWATER ANALYTICAL DATA SUMMARY

Former Shell Station
9892 Georgetown Pike
Great Falls, Virginia

Well ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydrocarbon (feet)	Hydrocarbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	TPH-GRO (µg/L)	Comments
MW-20D(132-142)	4/11/2014	329.56	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	32	NS	Screened from 132-142'
	7/10/2014	329.56	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	55	NS	
	8/26/2014	329.56	33.85	ND	ND	295.71	ND(1)	ND(1)	ND(1)	ND(1)	130	NS	
	9/2/2014	329.56	34.36	ND	ND	295.20	ND(1)	ND(1)	ND(1)	ND(1)	100	NS	
	12/9/2014	329.56	38.19	ND	ND	291.37	NS	NS	NS	NS	NS	NS	
	3/12/2015	329.56	38.26	ND	ND	291.30	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	6/1/2015	329.56	36.73	ND	ND	292.83	ND(1)	ND(1)	ND(1)	ND(1)	8	NS	
	9/1/2015	329.56	38.80	ND	ND	290.76	ND(1)	ND(1)	ND(1)	ND(1)	7	NS	
	12/1/2015	329.56	39.79	ND	ND	289.77	ND(1)	ND(1)	ND(1)	ND(1)	2	NS	
	3/17/2016	329.56	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	1	NS	
	4/29/2016	329.56	35.64	ND	ND	293.92	ND(1)	ND(1)	ND(1)	ND(1)	1	NS	
	8/19/2016	329.56	37.36	ND	ND	292.20	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	12/13/2016	329.56	38.78	ND	ND	290.78	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	3/13/2017	329.56	38.94	ND	ND	290.62	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	6/22/2017	329.56	38.38	ND	ND	291.18	NS	NS	NS	NS	NS	NS	
	8/28/2017	329.56	39.44	ND	ND	290.12	NS	NS	NS	NS	NS	NS	
	11/30/2017	329.56	40.30	ND	ND	289.26	NS	NS	NS	NS	NS	NS	
	3/08/2018	329.56	40.03	ND	ND	289.53	NS	NS	NS	NS	NS	NS	
	6/04/2018	329.56	37.77	ND	ND	291.79	NS	NS	NS	NS	NS	NS	
	7/16/2018	329.56	37.18	ND	ND	292.38	NS	NS	NS	NS	ND(0.5)	NS	
	12/04/2018	329.56	34.53	ND	ND	295.03	ND(0.03)	ND(0.1)	ND(0.05)	ND(0.1)	ND(0.08)	ND(11)	
	5/30/2019	329.56	31.05	ND	ND	298.51	ND(0.03)	ND(0.1)	ND(0.05)	ND(0.1)	ND(0.08)	ND(11)	
	11/25/2019	329.56	36.04	ND	ND	293.52	ND(0.2)	ND(0.2)	ND(0.4)	ND(1)	ND(0.2)	ND(23)	
MW-21S	4/11/2014	329.69	33.65	ND	ND	296.04	ND(10)	ND(10)	ND(10)	ND(10)	7500	NS	Screened from 26-46'
	6/18/2014	329.69	31.42	ND	ND	298.27	ND(1)	ND(1)	ND(1)	ND(1)	53	NS	
	9/16/2014	329.69	34.26	ND	ND	295.43	ND(1)	ND(1)	ND(1)	ND(1)	130	NS	
	12/10/2014	329.69	37.30	ND	ND	292.39	ND(1)	ND(1)	ND(1)	ND(1)	780	NS	
	3/11/2015	329.69	37.33	ND	ND	292.36	ND(2)	ND(2)	ND(2)	ND(2)	910	NS	
	6/3/2015	329.69	35.74	ND	ND	293.95	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	9/4/2015	329.69	37.78	ND	ND	291.91	ND(1)	ND(1)	ND(1)	ND(1)	32	NS	
	12/1/2015	329.69	38.98	ND	ND	290.71	ND(1)	ND(1)	ND(1)	ND(1)	1500	NS	
	3/17/2016	329.69	36.24	ND	ND	293.45	ND(1)	ND(1)	ND(1)	ND(1)	1400	NS	
	5/4/2016	329.69	34.54	ND	ND	295.15	ND(2)	ND(2)	ND(2)	ND(2)	2400	NS	
	8/19/2016	329.69	36.24	ND	ND	293.45	ND(1)	ND(1)	ND(1)	ND(1)	670	NS	
	12/15/2016	329.69	38.03	ND	ND	291.66	ND(2)	ND(2)	ND(2)	ND(2)	1400	NS	
	3/16/2017	329.69	38.24	ND	ND	291.45	ND(2)	ND(2)	ND(2)	ND(2)	1100	NS	
	6/22/2017	329.69	37.43	ND	ND	292.26	NS	NS	NS	NS	NS	NS	
	8/28/2017	329.69	38.52	ND	ND	291.17	NS	NS	NS	NS	NS	NS	
	11/30/2017	329.69	39.55	ND	ND	290.14	NS	NS	NS	NS	NS	NS	
	3/08/2018	329.69	39.10	ND	ND	290.59	NS	NS	NS	NS	NS	NS	
	6/04/2018	329.69	36.95	ND	ND	292.74	NS	NS	NS	NS	NS	NS	
	7/16/2018	329.69	36.23	ND	ND	293.46	NS	NS	NS	NS	220	NS	
	12/04/2018	329.69	31.43	ND	ND	298.26	ND(0.03)	ND(0.1)	ND(0.05)	ND(0.1)	0.2 J	ND(11)	
	5/30/2019	329.69	29.88	ND	ND	299.81	ND(0.03)	ND(0.1)	ND(0.05)	ND(0.1)	ND(0.08)	ND(11)	
	11/25/2019	329.69	35.08	ND	ND	294.61	ND(0.2)	ND(0.2)	ND(0.4)	ND(1)	1	ND(23)	

Table 1

HISTORICAL GROUNDWATER ANALYTICAL DATA SUMMARY

Former Shell Station
9892 Georgetown Pike
Great Falls, Virginia

Well ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydrocarbon (feet)	Hydrocarbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	TPH-GRO (µg/L)	Comments
MW-21I	4/11/2014	329.71	33.71	ND	ND	296.00	ND(2)	ND(2)	ND(2)	ND(2)	2500	NS	Screened from 56-66'
	6/18/2014	329.71	31.52	ND	ND	298.19	ND(1)	ND(1)	ND(1)	ND(1)	1700	NS	
	9/16/2014	329.71	34.35	ND	ND	295.36	ND(1)	ND(1)	ND(1)	ND(1)	2100	NS	
	12/10/2014	329.71	37.40	ND	ND	292.31	ND(1)	ND(1)	ND(1)	ND(1)	1900	NS	
	3/11/2015	329.71	37.40	ND	ND	292.31	ND(2)	ND(2)	ND(2)	ND(2)	1300	NS	
	5/6/2015	329.71	35.89	ND	ND	293.82	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	6/3/2015	329.71	35.81	ND	ND	293.90	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	9/4/2015	329.71	37.88	ND	ND	291.83	ND(2)	ND(2)	ND(2)	ND(2)	2300	NS	
	12/2/2015	329.71	39.04	ND	ND	290.67	ND(2)	ND(2)	ND(2)	ND(2)	2100	NS	
	3/17/2016	329.71	36.52	ND	ND	293.19	ND(1)	ND(1)	ND(1)	ND(1)	1300	NS	
	5/3/2016	329.71	34.75	ND	ND	294.96	ND(1)	ND(1)	ND(1)	ND(1)	630	NS	
	8/19/2016	329.71	36.37	ND	ND	293.34	ND(1)	ND(1)	ND(1)	ND(1)	1400	NS	
	12/15/2016	329.71	38.10	ND	ND	291.61	ND(1)	ND(1)	ND(1)	ND(1)	220	NS	
	3/16/2017	329.71	38.20	ND	ND	291.51	ND(1)	ND(1)	ND(1)	ND(1)	8	NS	
	6/22/2017	329.71	37.48	ND	ND	292.23	NS	NS	NS	NS	NS	NS	
	8/28/2017	329.71	38.60	ND	ND	291.11	NS	NS	NS	NS	NS	NS	
	11/30/2017	329.71	39.44	ND	ND	290.27	NS	NS	NS	NS	NS	NS	
	3/08/2018	329.71	39.25	ND	ND	290.46	NS	NS	NS	NS	NS	NS	
	6/04/2018	329.71	36.97	ND	ND	292.74	NS	NS	NS	NS	NS	NS	
	7/16/2018	329.71	36.32	ND	ND	293.39	NS	NS	NS	NS	1 J	NS	
	12/04/2018	329.71	31.53	ND	ND	298.18	ND(0.03)	ND(0.1)	ND(0.05)	ND(0.1)	ND(0.08)	ND(11)	
	5/30/2019	329.71	30.03	ND	ND	299.68	ND(0.03)	ND(0.1)	ND(0.05)	ND(0.1)	12	14 J	
	11/25/2019	329.71	35.18	ND	ND	294.53	ND(0.2)	ND(0.2)	ND(0.4)	ND(1)	0.9 J	ND(23)	
MW-22	4/11/2014	320.97	28.55	ND	ND	292.42	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	Screened from 20-40'
	6/18/2014	320.97	25.75	ND	ND	295.22	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	9/2/2014	320.97	27.48	ND	ND	293.49	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	12/9/2014	320.97	30.54	ND	ND	290.43	NS	NS	NS	NS	NS	NS	
	3/12/2015	320.97	NM	NM	NM	292.65	NS	NS	NS	NS	NS	NS	
	6/4/2015	320.97	28.49	ND	ND	292.48	NS	NS	NS	NS	NS	NS	
	9/2/2015	320.97	30.29	ND	ND	290.68	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	12/2/2015	320.97	31.76	ND	ND	289.21	NS	NS	NS	NS	NS	NS	
	3/16/2016	320.97	29.04	ND	ND	291.93	NS	NS	NS	NS	NS	NS	
	5/2/2016	320.97	28.32	ND	ND	292.65	NS	NS	NS	NS	NS	NS	
	8/18/2016	320.97	29.38	ND	ND	291.59	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	12/13/2016	320.97	32.49	ND	ND	288.48	NS	NS	NS	NS	NS	NS	
	3/13/2017	320.97	33.06	ND	ND	287.91	NS	NS	NS	NS	NS	NS	
	6/22/2017	320.97	31.59	ND	ND	289.38	NS	NS	NS	NS	NS	NS	
	8/29/2017	320.97	32.16	ND	ND	288.81	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	11/30/2017	320.97	33.47	ND	ND	287.50	NS	NS	NS	NS	NS	NS	
	3/08/2018	320.97	33.60	ND	ND	287.37	NS	NS	NS	NS	NS	NS	
	6/04/2018	320.97	30.85	ND	ND	290.12	NS	NS	NS	NS	NS	NS	
	7/16/2018	320.97	29.37	ND	ND	291.60	NS	NS	NS	NS	ND(0.5)	NS	
	12/04/2018	320.97	24.65	ND	ND	296.32	ND(0.03)	ND(0.1)	ND(0.05)	ND(0.1)	ND(0.08)	ND(11)	
	5/30/2019	320.97	22.63	ND	ND	298.34	ND(0.03)	ND(0.1)	ND(0.05)	ND(0.1)	ND(0.08)	ND(11)	
	11/25/2019	320.97	28.97	ND	ND	292.00	ND(0.2)	ND(0.2)	ND(0.4)	ND(1)	ND(0.2)	ND(23)	

Table 1

HISTORICAL GROUNDWATER ANALYTICAL DATA SUMMARY

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Well ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydrocarbon (feet)	Hydrocarbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	TPH-GRO (µg/L)	Comments
MW-27S	8/26/2014	323.40	28.42	ND	ND	294.98	ND(1)	ND(1)	ND(1)	ND(1)	1	NS	Screened from 20-40'
	9/2/2014	323.40	28.88	ND	ND	294.52	ND(1)	ND(1)	ND(1)	ND(1)	1	NS	
	12/9/2014	323.40	32.28	ND	ND	291.12	ND(1)	ND(1)	ND(1)	ND(1)	2	NS	
	3/11/2015	323.40	32.35	ND	ND	291.05	ND(1)	ND(1)	ND(1)	ND(1)	1	NS	
	6/3/2015	323.40	30.72	ND	ND	292.68	ND(1)	ND(1)	ND(1)	ND(1)	2	NS	
	9/3/2015	323.40	32.46	ND	ND	290.94	ND(1)	ND(1)	ND(1)	7	ND(1)	NS	
	12/1/2015	323.40	33.80	ND	ND	289.60	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	3/16/2016	323.40	30.99	ND	ND	292.41	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	5/2/2016	323.40	29.95	ND	ND	293.45	ND(1)	ND(1)	ND(1)	1	1	NS	
	8/18/2016	323.40	31.33	ND	ND	292.07	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	12/14/2016	323.40	32.42	ND	ND	290.98	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	3/16/2017	323.40	33.77	ND	ND	289.63	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	6/22/2017	323.40	32.77	ND	ND	290.63	NS	NS	NS	NS	NS	NS	
	8/29/2017	323.40	33.62	ND	ND	289.78	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	11/30/2017	323.40	34.64	ND	ND	288.76	NS	NS	NS	NS	NS	NS	
	3/08/2018	323.40	34.50	ND	ND	288.90	NS	NS	NS	NS	NS	NS	
	6/04/2018	323.40	32.13	ND	ND	291.17	NS	NS	NS	NS	NS	NS	
	7/16/2018	323.40	31.30	ND	ND	292.10	NS	NS	NS	NS	0.7 J	NS	
	12/04/2018	323.40	26.72	ND	ND	296.68	ND(0.03)	ND(0.1)	ND(0.05)	ND(0.1)	0.7 J	ND(11)	
	5/30/2019	323.40	24.92	ND	ND	298.48	ND(0.03)	ND(0.1)	ND(0.05)	ND(0.1)	ND(0.08)	ND(11)	
	11/25/2019	323.40	30.43	ND	ND	292.97	ND(0.2)	ND(0.2)	ND(0.4)	ND(1)	0.4 J	ND(23)	
MW-27I	8/26/2014	323.35	28.26	ND	ND	295.09	ND(1)	ND(1)	ND(1)	ND(1)	1	NS	Screened from 55-65'
	9/2/2014	323.35	27.69	ND	ND	295.66	ND(1)	ND(1)	ND(1)	ND(1)	1	NS	
	12/9/2014	323.35	32.31	ND	ND	291.04	ND(1)	ND(1)	ND(1)	ND(1)	1	NS	
	3/11/2015	323.35	32.39	ND	ND	290.96	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	6/3/2015	323.35	30.75	ND	ND	292.60	ND(1)	ND(1)	ND(1)	ND(1)	2	NS	
	9/3/2015	323.35	32.41	ND	ND	290.94	ND(1)	ND(1)	3	38	ND(1)	NS	
	12/1/2015	323.35	33.42	ND	ND	289.93	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	3/16/2016	323.35	31.01	ND	ND	292.34	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	5/2/2016	323.35	29.86	ND	ND	293.49	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	8/18/2016	323.35	31.29	ND	ND	292.06	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	12/14/2016	323.35	33.39	ND	ND	289.96	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	3/16/2017	323.35	33.73	ND	ND	289.62	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	6/22/2017	323.35	32.78	ND	ND	290.57	NS	NS	NS	NS	NS	NS	
	8/29/2017	323.35	33.71	ND	ND	289.64	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	11/30/2017	323.35	34.30	ND	ND	289.05	NS	NS	NS	NS	NS	NS	
	3/08/2018	323.35	34.60	ND	ND	288.75	NS	NS	NS	NS	NS	NS	
	6/04/2018	323.35	32.23	ND	ND	291.12	NS	NS	NS	NS	NS	NS	
	7/16/2018	323.35	31.28	ND	ND	292.07	NS	NS	NS	NS	ND(0.5)	NS	
	12/04/2018	323.35	26.68	ND	ND	296.67	ND(0.03)	ND(0.1)	ND(0.05)	ND(0.1)	0.8 J	ND(11)	
	5/30/2019	323.35	24.83	ND	ND	298.52	ND(0.03)	ND(0.1)	ND(0.05)	ND(0.1)	ND(0.08)	ND(11)	
	11/25/2019	323.35	30.25	ND	ND	293.10	ND(0.2)	ND(0.2)	ND(0.4)	ND(1)	0.5 J	ND(23)	

Table 1

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Well ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydrocarbon (feet)	Hydrocarbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	TPH-GRO (µg/L)	Comments
W-1	1/18/2003	328.53	33.83	ND	ND	294.70	ND(5)	ND(5)	ND(5)	ND(10)	13000	NS	Screened from 10-40'
	8/5/2008	328.53	34.81	ND	ND	293.72	9.60	ND(5)	ND(5)	ND(5)	5200	NS	
	6/7/2013	328.53	34.52	ND	ND	294.01	ND(10)	ND(14)	ND(16)	ND(16)	26000	NS	
	12/19/2013	328.53	36.11	ND	ND	292.42	ND(100)	ND(100)	ND(100)	ND(100)	13000	NS	
	3/25/2014	328.53	33.50	ND	ND	295.03	ND(25)	ND(25)	ND(25)	ND(25)	16000	NS	
	6/19/2014	328.53	29.91	ND	ND	298.62	ND(50)	ND(50)	ND(50)	ND(50)	15000	NS	
	9/3/2014	328.53	31.77	ND	ND	296.76	ND(20)	ND(20)	ND(20)	ND(20)	13000	NS	
	12/10/2014	328.53	36.07	ND	ND	292.46	ND(20)	ND(20)	ND(20)	ND(20)	18000	NS	
	3/12/2015	328.53	35.89	ND	ND	292.64	ND(20)	ND(20)	ND(20)	ND(20)	11000	NS	
	6/4/2015	328.53	34.34	ND	ND	294.19	ND(50)	ND(50)	ND(50)	ND(50)	8800	NS	
	9/4/2015	328.53	36.46	ND	ND	292.07	ND(10)	ND(10)	ND(10)	ND(10)	11000	NS	
	12/2/2015	328.53	37.57	ND	ND	290.96	ND(10)	ND(10)	ND(10)	ND(10)	16000	NS	
	2/12/2016	328.53	36.02	ND	ND	292.51	ND(10)	ND(10)	ND(10)	ND(10)	10000	NS	
	3/17/2016	328.53	34.72	ND	ND	293.81	ND(1)	ND(1)	ND(1)	ND(1)	9800	NS	
	5/4/2016	328.53	33.16	ND	ND	295.37	ND(10)	ND(10)	ND(10)	ND(10)	13000	NS	
	6/27/2016	328.53	34.09	ND	ND	294.44	ND(5)	ND(5)	ND(5)	ND(5)	6400	NS	
	8/19/2016	328.53	35.04	ND	ND	293.49	ND(10)	ND(10)	ND(10)	ND(10)	8400	NS	
	12/15/2016	328.53	36.54	ND	ND	291.99	ND(20)	ND(20)	ND(20)	ND(20)	9900	NS	
	3/16/2017	328.53	36.66	ND	ND	291.87	ND(5)	ND(5)	ND(5)	ND(5)	7600	NS	
	6/22/2017	328.53	35.97	ND	ND	292.56	NS	NS	NS	NS	NS	NS	
	8/28/2017	328.53	37.11	ND	ND	291.42	NS	NS	NS	NS	NS	NS	
	11/30/2017	328.53	37.99	ND	ND	290.54	NS	NS	NS	NS	NS	NS	
	3/08/2018	328.53	37.35	ND	ND	291.18	NS	NS	NS	NS	NS	NS	
	6/04/2018	328.53	35.50	ND	ND	293.03	NS	NS	NS	NS	NS	NS	
	7/16/2018	328.53	34.83	ND	ND	293.70	NS	NS	NS	NS	2000	NS	
	12/04/2018	328.53	30.05	ND	ND	298.48	ND(0.03)	ND(0.1)	ND(0.05)	ND(0.1)	240	240	
	5/30/2019	328.53	28.56	ND	ND	299.97	ND(0.03)	ND(0.1)	ND(0.05)	ND(0.1)	61	52	
	11/25/2019	328.53	33.62	ND	ND	294.91	ND(0.2)	ND(0.2)	ND(0.4)	ND(1)	160	150	
W-2	1/18/2003	329.47	34.56	ND	ND	294.91	ND(5)	ND(5)	ND(5)	ND(10)	100	NS	Screened from 10-40'
	8/5/2008	329.47	35.53	ND	ND	293.94	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	320	NS	
	6/7/2013	329.47	35.30	ND	ND	294.17	ND(5)	ND(7)	ND(8)	ND(8)	14000	NS	
	12/19/2013	329.47	36.82	ND	ND	292.65	ND(50)	ND(50)	ND(50)	ND(50)	7700	NS	
	3/25/2014	329.47	34.26	ND	ND	295.21	ND(100)	ND(100)	ND(100)	ND(100)	7000	NS	
	6/19/2014	329.47	30.74	ND	ND	298.73	ND(10)	ND(10)	ND(10)	ND(10)	5000	NS	
	9/3/2014	329.47	32.64	ND	ND	296.83	ND(10)	ND(10)	ND(10)	ND(10)	3900	NS	
	12/10/2014	329.47	36.75	ND	ND	292.72	ND(2)	ND(2)	ND(2)	ND(2)	2100	NS	
	3/11/2015	329.47	36.74	ND	ND	292.73	ND(2)	ND(2)	ND(2)	ND(2)	1000	NS	
	6/3/2015	329.47	35.19	ND	ND	294.28	ND(5)	ND(5)	ND(5)	ND(5)	1400	NS	
	9/4/2015	329.47	DRY	DRY	DRY	DRY	ND(1)	ND(1)	ND(1)	ND(1)	1100	NS	
	12/2/2015	329.47	38.42	ND	ND	291.05	ND(1)	ND(1)	ND(1)	ND(1)	440	NS	
	3/17/2016	329.47	35.81	ND	ND	293.66	ND(1)	ND(1)	ND(1)	ND(1)	970	NS	
	5/3/2016	329.47	34.06	ND	ND	295.41	ND(1)	ND(1)	ND(1)	ND(1)	580	NS	
	8/18/2016	329.47	35.86	ND	ND	293.61	ND(1)	ND(1)	ND(1)	ND(1)	190	NS	
	12/15/2016	329.47	37.30	ND	ND	292.17	ND(1)	ND(1)	ND(1)	ND(1)	170	NS	
	3/16/2017	329.47	37.35	ND	ND	292.12	ND(1)	ND(1)	ND(1)	ND(1)	240	NS	
	6/22/2017	329.47	36.74	ND	ND	292.73	NS	NS	NS	NS	NS	NS	
	8/28/2017	329.47	37.90	ND	ND	291.57	NS	NS	NS	NS	NS	NS	
	11/30/2017	329.47	38.74	ND	ND	290.73	NS	NS	NS	NS	NS	NS	

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Well ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydrocarbon (feet)	Hydrocarbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	TPH-GRO (µg/L)	Comments
W-2 (cont.)	3/08/2018	329.47	38.21	ND	ND	291.26	NS	NS	NS	NS	NS	NS	
	6/04/2018	329.47	36.31	ND	ND	293.16	NS	NS	NS	NS	NS	NS	
	7/16/2018	329.47	35.69	ND	ND	293.78	NS	NS	NS	NS	160	NS	
	12/04/2018	329.47	30.83	ND	ND	298.64	ND(0.03)	ND(0.1)	ND(0.05)	ND(0.1)	51	50 J	
	5/30/2019	329.47	29.38	ND	ND	300.09	ND(0.03)	ND(0.1)	ND(0.05)	ND(0.1)	43	40 J	
	11/25/2019	329.47	34.42	ND	ND	295.05	ND(0.2)	ND(0.2)	ND(0.4)	ND(1)	71	76	
W-7	8/5/2008	329.77	37.35	ND	ND	292.42	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	16	NS	Screened interval not available, total depth ~ 50'
	6/6/2013	329.77	37.04	ND	ND	292.73	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.5)	ND(0.5)	NS	
	12/18/2013	329.77	38.24	ND	ND	291.53	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	NS	
	3/24/2014	329.77	35.60	ND	ND	294.17	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	NS	
	6/18/2014	329.77	32.49	ND	ND	297.28	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	9/3/2014	329.77	34.24	ND	ND	295.53	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	
	12/9/2014	329.77	37.70	ND	ND	292.07	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	
	3/10/2015	329.77	37.74	ND	ND	292.03	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	6/2/2015	329.77	34.60	ND	ND	295.17	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	9/3/2015	329.77	37.95	ND	ND	291.82	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	12/1/2015	329.77	39.19	ND	ND	290.58	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	3/16/2016	329.77	36.46	ND	ND	293.31	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	5/2/2016	329.77	34.42	ND	ND	295.35	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	8/17/2016	329.77	36.72	ND	ND	293.05	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	12/14/2016	329.77	39.05	ND	ND	290.72	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	3/16/2017	329.77	39.39	ND	ND	290.38	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NS	
	6/22/2017	329.77	38.31	ND	ND	291.46	NS	NS	NS	NS	NS	NS	
	8/28/2017	329.77	39.14	ND	ND	290.63	NS	NS	NS	NS	NS	NS	
	11/30/2017	329.77	40.21	ND	ND	289.56	NS	NS	NS	NS	NS	NS	
	3/08/2018	329.77	40.09	ND	ND	289.68	NS	NS	NS	NS	NS	NS	
	6/04/2018	329.77	37.67	ND	ND	292.10	NS	NS	NS	NS	NS	NS	
	7/16/2018	329.77	36.77	ND	ND	293.00	NS	NS	NS	NS	ND(0.5)	NS	
	12/04/2018	329.77	31.95	ND	ND	297.82	ND(0.03)	ND(0.1)	ND(0.05)	ND(0.1)	ND(0.08)	76	
	5/30/2019	329.77	30.19	ND	ND	299.58	ND(0.03)	ND(0.1)	ND(0.05)	0.1 J	ND(0.08)	54	
	11/25/2019	329.77	35.88	ND	ND	293.89	ND(0.2)	ND(0.2)	ND(0.4)	ND(1)	ND(0.2)	140	
MW-B3	7/16/2018	328.43	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	Screened from 13.5' - 33.5'
	12/4/2018	328.43	30.17	ND	ND	298.26	ND(0.03)	ND(0.1)	ND(0.05)	ND(0.1)	41	33 J	
	5/30/2019	328.43	28.67	ND	ND	299.76	ND(0.03)	ND(0.1)	ND(0.05)	ND(0.1)	ND(0.08)	ND(11)	
	11/25/2019	328.43	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	

Notes:

µg/L - micrograms per liter

NM - not monitored

NS - not sampled

MTBE - methyl tertiary butyl ether

GW - groundwater

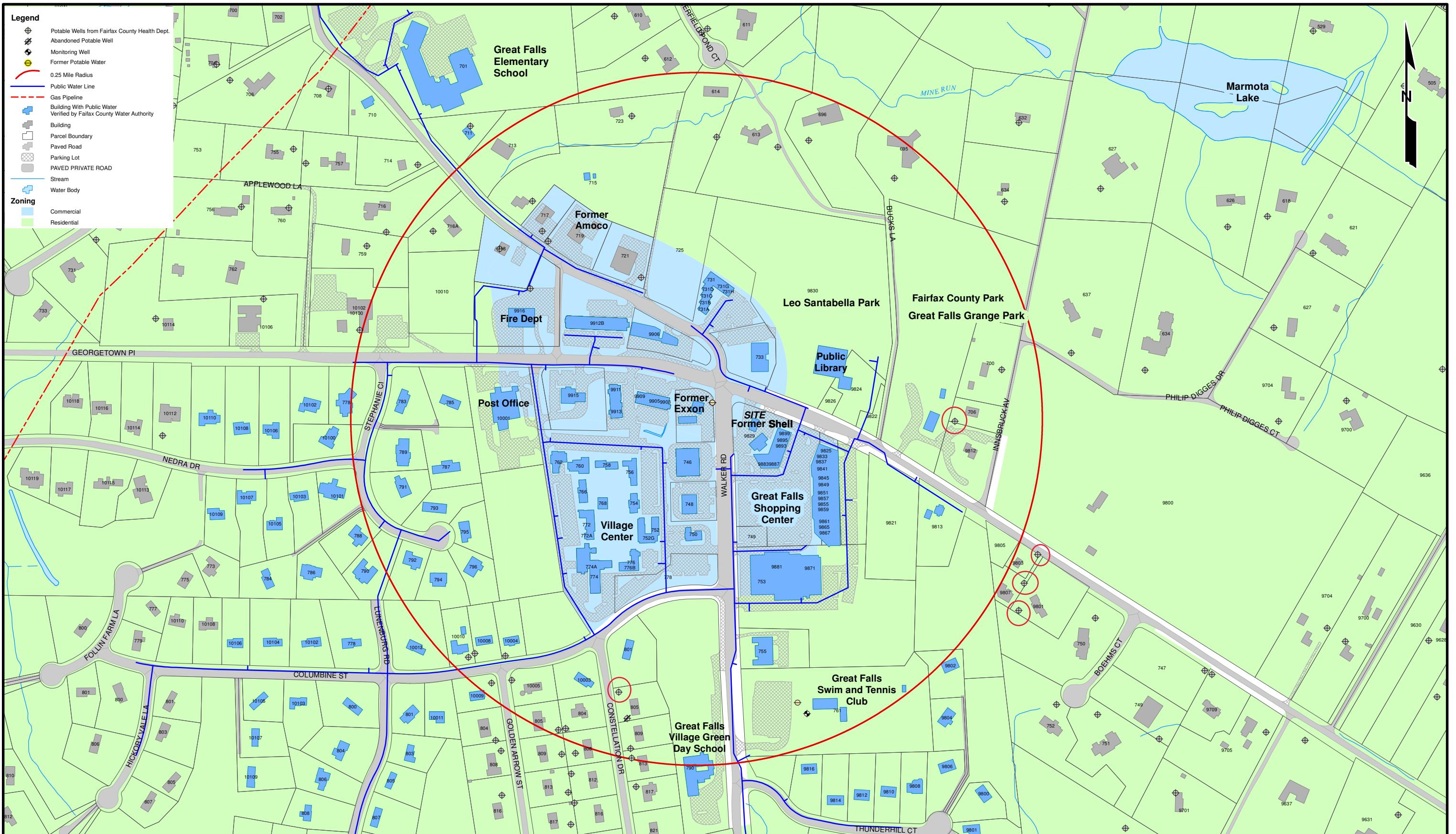
ND (#) - not detected at or above the laboratory reporting limit or method detection limit

ND - not detected

J - estimated value

Sampling data prior to July 2018 was collected by Kleinfelder.

Appendix A – Local Area Map (Kleinfelder, 2014)



The information included on this graphic representation has been compiled from a variety of sources and is subject to change without notice. Kleinfelder makes no representations or warranties, express or implied, as to accuracy, completeness, timeliness, or rights to the use of such information. This document is not intended for use as a land survey product nor is it designed or intended as a construction design document. The use or misuse of the information contained on this graphic representation is at the sole risk of the party using or misusing the information.

0 175 350 700 Feet

Appendix C – MTBE Mann-Kendall Constituent Trend Analysis

GSI MANN-KENDALL TOOLKIT

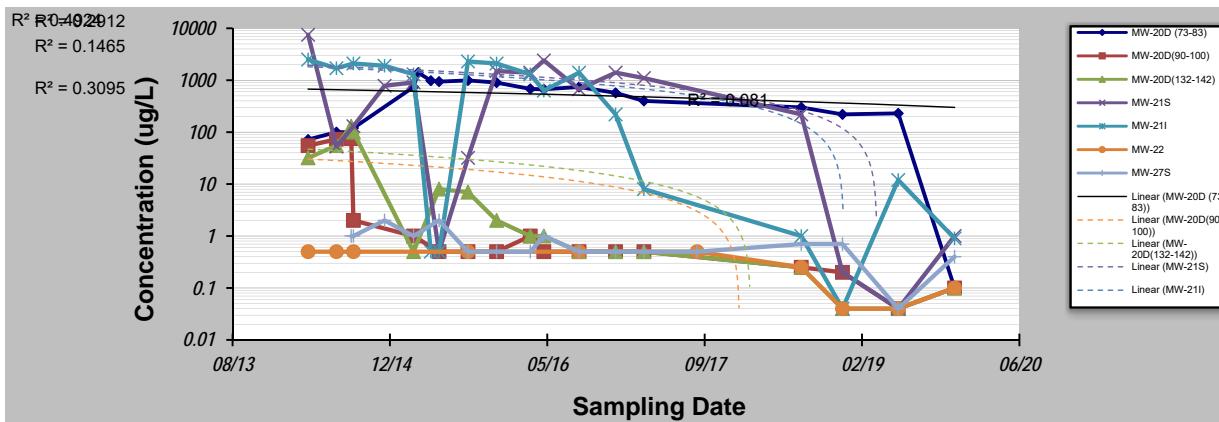
for Constituent Trend Analysis

Evaluation Date: **16-Dec-19**
 Facility Name: **Former Shell Station - Great Falls, VA**
 Conducted By: **A. Ryan**

Job ID: _____
 Constituent: **MTBE**
 Concentration Units: **ug/L**

Sampling Point ID: **MW-20D (73-83)** **MW-20D(90-100)** **MW-20D(132-142)** **MW-21S** **MW-21I** **MW-22** **MW-27S**

Sampling Event	Sampling Date	MTBE CONCENTRATION (ug/L)						
		1	2	3	4	5	6	7
1	11-Apr-14	72	55.0	32.0	7500.0	2500.0	0.5	
2	10-Jul-14	100	73.0	55.0	53.0	1700.0	0.5	
3	26-Aug-14	100	75.0	130.0				1.0
4	2-Sep-14	120	2.0	100.0	130.0	2100.0	0.5	1.0
5	10-Dec-14				780.0	1900.0		2.0
6	12-Mar-15	740	1.0	0.5	910.0	1300.0		1.0
7	27-Mar-15	1400						
8	6-May-15	980				0.5		
9	1-Jun-15	940	0.5	8	0.5	0.5		2
10	1-Sep-15	990	0.5	7	32	2300	0.5	0.5
11	1-Dec-15	900	0.5	2	1500	2100		0.5
12	17-Mar-16	680	1	1	1400	1300		0.5
13	29-Apr-16	670	0.5	1	2400	630		1
14	19-Aug-16	740	0.5	0.5	670	1400	0.5	0.5
15	13-Dec-16	570	0.5	0.5	1400	220		0.5
16	13-Mar-17	400	0.5	0.5	1100	8		0.5
17	29-Aug-17						0.5	0.5
18	26-Jul-18	300	0.25	0.25	220	1	0.25	0.7
19	4-Dec-18	220	0.2	0.04	0.2	0.04	0.04	0.7
20	30-May-19	230	0.04	0.04	0.04	12	0.04	0.04
21	25-Nov-19	0.1	0.1	0.1	1	0.9	0.1	0.4
22								
23								
24								
25								
Coefficient of Variation:	0.75	2.15	1.96	1.69	0.99	0.61	0.67	
Mann-Kendall Statistic (S):	-27	-100	-104	-31	-78	-25	-61	
Confidence Factor:	81.6%	>99.9%	>99.9%	89.0%	99.9%	98.6%	99.4%	
Concentration Trend:	Stable	Decreasing	Decreasing	No Trend	Decreasing	Decreasing	Decreasing	



Notes:

- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S>0$) or decreasing ($S<0$): >95% = Increasing or Decreasing; $\geq 90\%$ = Probably Increasing or Probably Decreasing; $< 90\%$ and $S>0$ = No Trend; $< 90\%$, $S\leq 0$, and $COV \geq 1$ = No Trend; $< 90\%$ and $COV < 1$ = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.
- Concentrations reported as not detected above laboratory reporting limits are included as half of the reporting limit.

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GSI MANN-KENDALL TOOLKIT

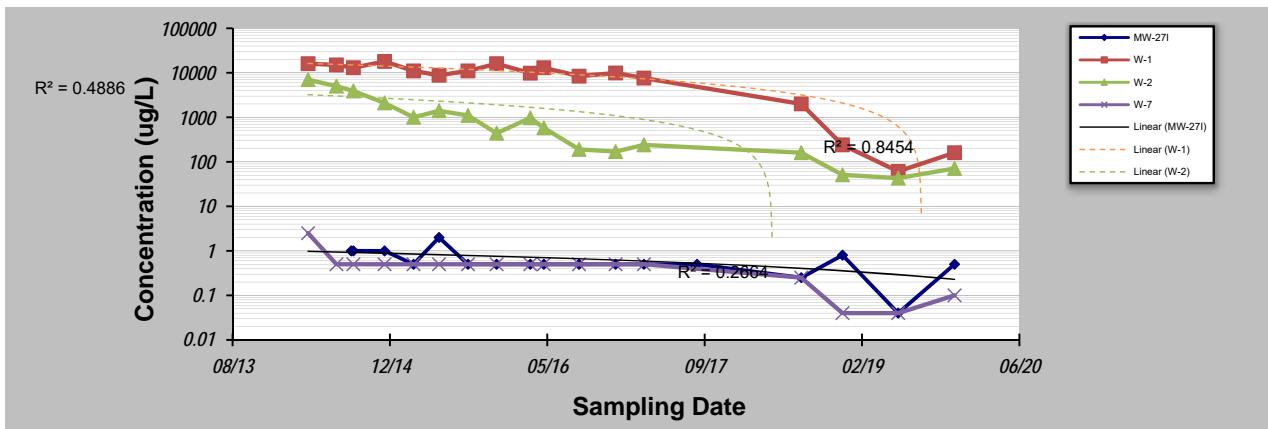
for Constituent Trend Analysis

Evaluation Date: **16-Dec-19**
 Facility Name: **Former Shell Station - Great Falls, VA**
 Conducted By: **A. Ryan**

Job ID:
 Constituent: **MTBE**
 Concentration Units: **ug/L**

Sampling Point ID: **MW-27I** **W-1** **W-2** **W-7**

Sampling Event	Sampling Date	MTBE CONCENTRATION (ug/L)			
1	11-Apr-14	16000.0	7000.0	2.5	
2	10-Jul-14	15000.0	5000.0	0.5	
3	26-Aug-14	1			
4	2-Sep-14	1	13000.0	3900.0	0.5
5	10-Dec-14	1	18000.0	2100.0	0.5
6	12-Mar-15	0.5	11000.0	1000.0	0.5
7	27-Mar-15				
8	6-May-15				
9	1-Jun-15	2	8800	1400	0.5
10	1-Sep-15	0.5	11000	1100	0.5
11	1-Dec-15	0.5	16000	440	0.5
12	17-Mar-16	0.5	9800	970	0.5
13	29-Apr-16	0.5	13000.0	580	0.5
14	19-Aug-16	0.5	8400	190	0.5
15	13-Dec-16	0.5	9900	170	0.5
16	13-Mar-17	0.5	7600	240	0.5
17	29-Aug-17	0.5			
18	26-Jul-18	0.25	2000	160	0.25
19	4-Dec-18	0.8	240	51	0.04
20	30-May-19	0.04	61	43	0.04
21	25-Nov-19	0.5	160	71	0.1
22					
23					
24					
25					
Coefficient of Variation:	0.66	0.62	1.40	1.02	
Mann-Kendall Statistic (S):	-56	-97	-120	-65	
Confidence Factor:	98.9%	>99.9%	>99.9%	99.7%	
Concentration Trend:	Decreasing	Decreasing	Decreasing	Decreasing	



Notes:

- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S>0$) or decreasing ($S<0$): >95% = Increasing or Decreasing; $\geq 90\%$ = Probably Increasing or Probably Decreasing; < 90% and $S>0$ = No Trend; < 90%, $S\leq 0$, and $COV \geq 1$ = No Trend; < 90% and $COV < 1$ = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.
- Concentrations reported as not detected above laboratory method detection limits are included as half of the method detection limit.

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